

Unclassified

SECURITY CLASSIFICATION OF THIS DAGE (When the Entered)

SECURITY CLASSIFICATION OF THIS PAGE (WHAT DAIN)	:.nrered)		
REPORT DOCUMENTATION	PAGE	BEFOR	AD INSTRUCTIONS RE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT	'S CATALOG NUMBER
4. TITLE (and Subtitio)	<u> </u>	5. TYPE OF F	REPORT & PERIOD COVERED
Summary of Meteorological Observat (SMOS) Barbers Point, HI	tions, Surface	Referenc	e report 1949-1977
Consey Burbers Forme, III		6. PERFORMI	NG ORG. REPORT NUMBER
7. AUTHOR(*) N/A		8. CONTRACT	OR GRANT NUMBER(*)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		10. PROGRAM AREA & W	ELEMENT, PROJECT, TASK ORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS	(a.t. a.u	12. REPORT	
Director, Naval Oceanography and M National Space Technology Laborato NSTL Station, MS 39529		July 19	
14. MONITORING AGENCY NAME & ADDRESS(If different	from Controlling Office)	358 15. SECURITY	CLASS. (of this report)
		Unclass	ified
		15a, DECLASS	SIFICATION/DOWNGRADING
16. DISTRIBUTION STATEMENT (of this Report)		Īr	ACCESSION for
Approved for public release; distr			NTIS White Section DDC Buff Section UNANNOUNCED UNSTIFICATION
			BY DISTRIBUTION/AVAILABILITY CODES DIST AVAIL AND OF SPECIAL
18. SUPPLEMENTARY NOTES			A
19. KEY WORDS (Continue on reverse aide if necessary and Climatology, surface wind, tempera relative humidity, station pressur daily temperature, weather condition facility, coastal region, snow dep	ture, precipitate, extreme tempe ons, monthly clith, cloud cover,	ion, ceiliratures, s	sea level pressure, Naval shore
This data report consists of a six weather observations. The six par Atmospheric Phenomena, Part B - Propart C - Surface Winds, Part D - Co Part E - Psychrometric Summaries,	part statistica ts are: Part A ecipitation/Snow eiling versus Vi	- Weather fall/Snow sibility/	Conditions/ Depth, Sky Cover.

	STATION N	STATION NO. ON SUMMARY: 22514	SIAIIUN NAME: Barbers Point, Hawaii		1A11100E	N, 61,	158°05'W	STATION ELEV. (FT.)	PHNA	WMU NUMBER: 9117	иимвея: 91178
			STATION LOCATION AND INSTRUMENTATION HISTORY	NO	NDIN	STRU/	MENTA	TION HI	STOR	Υ	
4	NUMBER OF BARD			TYPE	AT THIS LOCATION	ATION	ATITUDE	3011213401	ELEVATION ABOVE MSL	ABOVE MSL	OBS
-	LOCATION		GEOGRAPHICAL LOCATION & NAME	STATION	FROM	10		3001000	FEET	TYPE BAROMETER	DAY
	; ;	Second d	Second deck operations building	Navy	1950	1957	21°19'N	158°05'W	20	Mercuria1	24
	2.	Relocate	Relocated within weather services spaces	:	1957	1969	=	=	20	=	24
	.;	Relocate	Relocated within weather services spaces	:	1969		= =	:	20	=	24
	1a.	NWSED spa	NWSED spaces, 2nd deck operations building		1966		:		52	Aneroid	
							٠				
								£			
	NUMBER	DATE	SURFACE WIND EQUIPMENT INFORMATION	JIPMENT INFOR	MATION						
	LOCATION	CHANGE	ГОСАТІОМ		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	TIONAL EQUIPMENT,	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	IGE
	ij	Installed	d 18 ft mast on the operations tower	s towe	r Selsyn	Double register	84'	* Earlier do available.	0	cion not	
	2.	1957	Near the intersection of the ruw ways at a distance of 2400 feet SE of operations building	of the run- 2400 feet ing	AN/UMQ- 5C	RD 108B	12'	1. Barograph 2. Semi-auto 3. Ceiling li	barograph (ML-3) Semi-auto Met Sta (AN, Ceiling light (ML-121)	barograph (ML-3) Semi-auto Met Sta (AN/GMQ-14B) Ceiling light (ML-121)	148)
3											
	NINOT.	1			3 7		-	200	0		

NWSD, Federal Building Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
- c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

pared in 1973. The retention of these summaries will provide the most comprehensive climatological file Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prefor your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some . Questionable values will most likely be single occurrences shown by a percentage fre-. (This value indicates a percent less than ".05," which, in most cases, reflects a single Since most stations summarized now have in excess of 10,000 3-hourly observations, the observation.) Since most stations summarized now have in excess or 10,000 3-nourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect COMMENT: All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms. could be valid.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- .. By month and annual, all hours and years combined.
- . By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Since more than one type of precipitation may be reported in the same Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage

The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices. NOTE:

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

centage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than pertotal columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the "% Total" indicates percentage frequency (plus calm). Column totals show the number of observations. of occurrences.

BARBERS POINT, HAWAIT

22514 STATION

73-77

NOW HOW

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION											
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE											
FOG											
% OF OBS WITH PRECIP.	5.8	5.2	5.8	5.6	1.9	3.9	5.8	6.5			4.7
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	5.8	5.2	8.8	2.6	1.9	3.9	5.8	6.3			4.7
THUNDER- STORMS			9.				•				•2
HOURS (L.S.T.)	02	60	90	::	14	17	20	23			
МОМТН	NAC										TOTALS

E

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

73-77

BARBERS POINT, HAWAII

22514

15668-8605 min

0

0

0

3

D

STATION NAME

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	F0G	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OSS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	0.2	.,	5.0				5.0						141
	0.5	.,	5.7				5.7						141
	80	.,	5.0				5.0						141
	=	.,	5.0				8.0						141
	1,4		5.0				5.0						141
	17	.,	1.4				1.4						141
	20		2.1				2.1						1.
	23		2.1				2,1						141
TOTALS		4.	3.9				3.9						1128

2

1

0

1

2

9.

22514 STATION

BARBERS POINT, HAWAIT

73-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION											
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE											
FOG											
% OF OBS WITH PRECIP.	2.6	5.8	7.1	4.5	3.2	3.2	9.	1.9			3.6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	2.6	8.8	7.1	4.9	3.2	3.2	••	1.9			3.6
THUNDER. STORMS	9.										7.
HOURS (L.S.T.)	02	90	90	::	14	17	20	23			
МОМТН	MAR										TOTALS

0

0

0

APR.

WEATHER CONDITIONS

	YEAR	WEATHER
		8
73-77		PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS
		H
		FREQUENCY TONS FROM
HAWAL	STATION NAME	CONDIT
POINT		PERCE
BARBERS POINT, HAWAIT		

22514 STATION

	-									
NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION										
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE										
F0G										
% OF OBS WITH PRECIP.	7.	3,3	2.0	4.7	4.7	2.7	.,	2.0		2.6
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	.,	3.3	2.0	4.7	4.7	2.7		2.0		2.6
THUNDER. STORMS										.2
HOURS (L.S.T.)	02	90	90	==	1,4	17	20	2		
MONTH	APR									TOTALS

0

0

0

0

8

3

BARBERS POINT, HAWAIT

22514

0

0

0

0

0

73-77

MAY

WEATHER CONDITIONS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS STATION NAME

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION				9.							•
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE											
FOG				9.							.1
% OF OBS WITH PRECIP.	9.	3.2	6.1	2.6	1,3	5.6	1.3	1.9			1.9
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	9.	3.2	1.9	2.6	1.3	2.6	1.3	1.9			1.9
THUNDER- STORMS											
HOURS (L.S.T.)	02	92	90	11	14	17	20	23			
MONTH	МАУ										TOTALS

0

0

0

BARBERS POINT, HAWAIT

22514 STATION

73-77

YEARS

NONTH HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	Pog	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
CUN	02		1.3				1.3						150
	05		1.3				1.3						150
	90												150
	11		3,3				3.3						150
	14												150
	17		2.0				2.0						150
	20		.,				.,						150
	23												150
TOTALS			1.1				1,1						1200

0

0 50

(ED)

0 30

22514

BARBERS POINT, HAWAIT

STATION NAME

73-77

JUL ...

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

NO. OF OBS.	155	155	155	155	185	155	155	155		1240
% OF OBS WITH OBST TO VISION										
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE										
8										
% OF OBS WITH PRECIP.	6.	5.6	•	5.6	•		1.3	1.3		1,2
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	9.	2.6	•	2.6	9.		1.3	1.3		1.2
THUNDER. STORMS										
HOURS (LS.T.)	92	90	90	=	14	17	50	23		
DNTH	105									OTALS

BARBERS PUINT, HAWAIT 22514

0 0

0

0

0

0

0

73-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBST WITH OBST TO VISION			9.								1.
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE			9.								.1
Pog											
% OF OBS WITH PRECIP.		٥.	9.	1.3	5.6		9.				.,
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE		9.	9.	1.3	2.6		••				
THUNDER- STORMS											
HOURS (LS.T.)	20	0.5	90	==	1.	17	20	23			
МОМТН	AUG										TOTALS

0

0

0

0

0

BARBERS PUINT, HAWAII

22514 STATION

0

0

0

0

73-77

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION											1.
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE						.,					1.
POG											
% OF OBS WITH PRECIP.	1,3	1,3			1,3	1,3					.,
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	1.3	1.3			1.3	1.3	.,				.,
THUNDER. STORMS					1.3						.3
HOURS (LS.T.)	20	90	90	"	1.4	11	50	23			
МОМТН	SEP										TOTALS

E

BARBERS POINT, HAWALL

22514 STATION

0

0

0

0

isera.acos um

73-77

OCT.

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION			•	•	•					.2
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE			9.	9.	9.					.2
80										
% OF OBS WITH PRECIP.	٠.	3.9	•	1.9	3.2	9.	1.3	1.3		1.7
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	••	3.9	4.	1.9	3.2	9.	1.3	1.3		1.7
THUNDER- STORMS										
HOURS (LS.T.)	02	90	90	11	1.	11	20	23		
MONTH	100									TOTALS

0

0

0

BARBERS POINT, HAWAIT

22514 STATION

73-77

NON NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION											1.
AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE											
FOG			.7								
% OF OBS WITH PRECIP.	5.3	2.7	4.7	7,3	0.9	4.7	3,3	0.4			4.8
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	5.3	2.7	4.7	7.3	0.9	4.7	3.3	4.0			4.8
THUNDER- STORMS		.,				.7	.,				4.
HOURS (L.S.T.)	02	0.5	98	11	1,4	11	20	23			
MONTH	NOV										TOTALS

0

0

22514 BARB

BARBERS POINT, HAWAIT

73-77

YEARS

DEC

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION											
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE											
506											
% OF OBS WITH PRECIP.	2.6	5.0	3.9	4.5	3.6	3.9	1.9	3.9			3.6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	2.6	8.8	3.9	4.3	2.6	3.9	1.9	3.9			3.6
THUNDER. STORMS											
HOURS (L.S.T.)	92	60	98	11	14	17	20	23			
MONTH	DEC										TOTALS

0

0

22514 STATION

ISCHB-BOOS HITH

BARBERS POINT, HAWAII

73-77

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

NO. OF OBS.	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608
% OF OBS WITH OBST TO VISION					-			-:	-:	.2	-:		0.
DUST AND/OR SAND													
BLOWING													
SMOKE AND/OR HAZE										.2			0.
90											7:		0.
% OF OBS WITH PRECIP.	4.7	3.9	3.6	5.6	1.9	1.1	1,2	۲.	۲.	1.7	8.	3.6	2.5
HAIL													
SNOW AND/OR SLEET													
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR DRIZZLE	4.7	3.9	3.6	2.6	1.9	1.1	1.2			1.7	4.8	3.6	2.5
THUNDER. STORMS	.2	*	-:	•2					.3		4.		.1
HOURS (L.S.T.)	ALL												
MONTH	NAL	FE8	MAR	APR	MAY	SCN	100	AUG	SEP	100	NO.	DEC	TOTALS

0 0 00 0

0

0

0

050

1



WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

BARBERS POINT, HAMAIT

22514 STATION

0

0

0

0

0

isera.acos mui

49-17

YEARS

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

TOTAL NO. OF OBS.	899	819	668	870	899	870	880	668	869	895	869	899	10567
% OF OBS WITH OBST TO VISION			۲.	•		1.1	.3		.5		10		9.
DUST AND/OR SAND													
SNOW													
SMOKE AND/OR HAZE	•	.,	4.	.3		1.1	.3		.5	9.			.5
50	-		.2	.2	~						.2	-	.1
% OF OBS WITH PRECIP.	48.4	43.4	42.3	46.2	35.7	39.0	41.6	35.5	36.9	38.9	47.0	45.9	41.9
HAIL													
SNOW AND/OR SLEET													
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR DRIZZLE	48.4	45.4	42.3	46.2	35.7	39.0	41.6	35.5	36.9	38.9	47.0	45.9	41.9
THUNDER. STORMS	0.4	3.1	2.7	2.3	1.3		.5	•	1.5	1.6	2.5	2.9	1.9
HOURS (L.S.T.)	DAILY												
MONTH	JAN	FEB	MAR	APR	MAY	200	JUL	AUG	SEP	OCT	VON	DEC	TOTALS

IINT, HAWAII	STATION NAME
POINT	
BARBERS POINT,	
22514	1

DIRECTION

z W W

ENE

SE

SSW

1
_
=
1977
-
1
w
-
1973-DEC
~
-
NV
3
-

JANUARY

ALL HOURS (L.S.T.)

o c c	1			95	46	92	100	96	97	95	91	46	85	100	85	04	2	=======================================	95
SAND AND DUST																	V		
SNOWS																	\bigvee		
SMOKE																	\bigvee		
GROUND FOG																	\bigvee		
509																	\bigvee		
THUNDER											2.0		2.0				X	2	2
SMALL																	M		
SNOW CRAINS PELLETS SHOWERS																	V		
SLEET SHOWERS ICE CRYSTALS																	X		
FREEZING RAIN FREEZING DRIZZLE																	\bigvee		
DRIZZLE																	\bigvee		
RAIN	6.7	3.6	1.4	3.3	1.4			3.1	2.1	4.1	6.1	5.2	12.2		7.1	20.0	X	39	3.1
N N N	6.1	1.3	-	1.0	4.1	7.1					2.0				7.1	40.0	X	18	1.5

VARIABLE

CALM

WSW W WN WNN

TOTAL % TOTAL

NAVWEASERVCOM

1,239

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWALL 22514 STATION

JAN 1973-DEC 1977

FEBRUARY

NO WEATHER	95.2	95.1	96.5	99.2	97.5	100.0	90.06	91.4	4.46	95.8	63.3	65.5	82.4	91.7	6.06	66.7			1084		1006
SAND SAND AND DUST																		\bigvee		1	
BLOWING																		\bigvee			
SMOKE																		\bigvee			
GROUND FOG																		\bigvee			
901																		\bigvee			
THUNDER		30			30.			2.9	1.9						9.1			\bigvee	8	-	•
HAIL SMALL HAIL																		\bigvee			
SNOW GRAINS PELLETS SHOWERS																		\bigvee			
SLEET SHOWERS ICE CRYSTALS																		\bigvee			
FREEZING RAIN FREEZING ORIZZLE																		\bigvee			
DRIZZLE																		\bigvee			
RAIN		4.1	3.1		2.5		6.3	5.7	5.6			25.0	17.6	8.3	9.1	33.3		N V	26		3.1
RAIN	4.8		*				3.1	2.9		4.2	6.7	12.5						X	0	-	•
WIND	z	NNE	NE	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	MNW	WN	MNN	VARIABLE	CALM		TOTAL	% TOTAL

1,128

TOTAL NUMBER OF OBSERVATIONS

DNIW	RAIN	RAIN	DRIZZLE	FREEZING RAIN FREEZING	10	SNOW GRAINS PELLETS	HAIL	THUNDER	504	ICE FOG GROUND	SMOKE	BLOWING	SAND	0 2
z	16.7			DRIZZLE	CRYSTALS	SHOWER	HAIL			200	377		1800	00
NNE		2.7												97.
NE	6.							\$						95
ENE	,,	2.7												96
E		2.2												97.
ESE														100
SE														100
SSE		4.2												95
s	2.6													96
SSW														96
SVE		11.9												88
WSW		9.1												06
*														100
WNW		6.7												63
MN	11.1													88
MNN														100
VARIABLE														
CALM	\bigvee	0.00	\bigvee	M	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	
101	,	3.8						-						11
TOTAL	4	-						1.						96

0 0

1,240

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

7

0

2648 . IEM

APRIL	MONTH
JAN 1973-DEC 1977	2.443
IT, HAWAII	STATION NAME
POINT	4.7
BARBERS	٠.
12914	201212

NO	100.0	1.96	97.5	68.7	97.2	85.7	100.0	100.0	1000	100	1000	100.0	100	88.9	75.0	66.7		M	1165	97.4
SAND SAND AND DUST							,											M		
BLOWING																		\bigvee		
SMOKE																		\bigvee		
ICE FOG GROUND FOG																		\bigvee		
500																		\bigvee		
THUNDER			5.													33.3		\bigvee	N	2.
SMALL																		M		
SNOW CRAINS PELLETS SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING ORIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN		3.9			2.8	14.3									25.0	33.3		\bigvee	53	2.4
RAIN														11.1				\bigvee	~	. 2
WIND	z	NNE	NE	ENE	W	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,196

NAVWEASERVCOM

H ISCHA-ICH

SMOKE

GROUND GROUND FOG

F0G

THUNDER

SMALL

SNOW GRAINS PELLETS SHOWERS

SLEET
SHOWERS
ICE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

DIRECTION

NNE

z

NE

ENE

ш

Q

ESE

SE

SSE

S

WIND

8 5

3

WSW

SSW SW

WNW

3

×

VARIABLE

NNN

CALM

50.0

30

% TOTAL

TOTAL

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

BARBERS POINT, HAWAII 22514 STATION

JAN 1973-DEC 1977

MAY

HOURS (L.S.T.) ALL

99.00 99.00 99.00 99.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 WEATHER BLOWING SAND AND DUST BLOWING NONS

5.0

TOTAL NUMBER OF OBSERVATIONS

1,240

1216

and the

OF O

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22514 STATION

BARBERS POINT, HAWAII

JAN 1973-DEC 1977

S C S

NO	33.3	100.0	99.2	1.66	98.6	100.0	100.0	6.96	100.0	100.0	100.0		100.0		100.0	100.0		0.00 A	1187	98.9
SAND SAND AND DUST																		M		
BLOWING																		M		
SMOKE																		\bigvee		
GROUND FOG																		\bigvee		
509																		\bigvee		
THUNDER																		\bigvee		
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN	66.7			6.	1.4			3.7										\bigvee	13	1.1
X X																		\bigvee		
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	×	WNW	MN.	MNN	ARIABLE	CALM	TOTAL	TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

JAN 1973-DEC 1977

BARBERS POINT, HAWALL

NO WEATHER	100.00	100.00	1.66	1.66	38.5	93.3	100.0	100.001	100.00	100,001	100.0	100.001	100.0	100.0		100.0		0	1225	98.8
SLOWING SAND AND AND	7	1					1	1	-1	-		7	-	7		7				-
SLOWING S																		$\langle \rangle$		
SMOKE 8																		$\langle \rangle$		
ICE FOG GROUND FOG																				
500																		M		
THUNDER																				
HAIL SMALL HAIL																		M		-
SNOW GRAINS PELLETS SHOWERS																				
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE																		X		
RAIN SHOWERS			0.	6.	1.8	6.7												X		1.
RAIN																		X		
WIND	z	MNN	wz	ENE	tu)	ESE	38	SSE	S	SSW	SW	WSW	*	WNW	MM	MNN	VARIABLE	CALM	TOTAL	% TOTAL

NAVWEASERVCOM

1,240

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAII 22514

JAN 1973-DEC 1977

ALL

AUGUST

NO WEATHER	85.7	98.0	100.0	0.66	4.66	100.0	100.0	100.0	100.0	100.0	0.06	100.0	100.0	100.0	100.0	100.0		M	1230	99.2
SAND SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE		2.0																\bigvee	1	
GROUND POC																		\bigvee		
8																		\bigvee		
THUNDER																				
SMALL																		\bigvee		
SNOW ORAINS PELETS SHOWER																		\bigvee		
SLEET "SHOWERS ICE CRYSTALS																		\bigvee		
PREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZLE																		\bigvee		
RAIN	14.3			1:0	9.						10.0							\bigvee	•	
N Z																		\bigvee		
WIND	z	MNN	W.	ENE	w	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	W.Y.	NNN	VARIABLE	CALM	TOTAL	% TOTAL

0

TOTAL NUMBER OF OBSERVATIONS

1,240

0

-
-
14
-
U
EC
0
9
m
0
-
VAN
4
7

	ı
w	l
E	
-	ı
SE	l
	ı

×	١
8	l
T	١.
i i	H
-	O
2	15
	1

NEATHER	100.0	97.3	99.7	99.3	4.66	100.0	100.0	98.1	4006	89,5	100.0	88.9	100.0	100.0	100.0	100.0		0.000		1100	0.66
SAND SAND AND DUST																		\bigvee			
BLOWING																		\bigvee			
SMOKE										5,3								\bigvee	•	*	
GROUND FOG																		X			
50																		\bigvee			
THUNDER		1.4						1.9	3.6									X	•	•	·
HAIL SMALL HAIL																		X			
SNOW GRAINS PELLETS SHOWERS																		X			
SLEET " SHOWERS ICE CRYSTALS																		\bigvee			
FREEZING RAIN FREEZING DRIZZLE																		\bigvee			
DRIZZLE																		\bigvee			
RAIN		2.7	. 3		9.					5.3		11.1						\bigvee		-	100
RAIN																		X			
WIND	z	NNE	NE	ENE	3	ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	*N	MNN	VARIABLE	CALM		TOTAL	% TOTAL

0

0

TOTAL NUMBER OF OBSERVATIONS

1,200

BARBERS POINT, HAWAII

22514 STATION

O

0

JAN 1973-DEC 1977

OC TOBER

ALL HOURS (L.S.T.)

WEATHER	91.7	96.6	98.2	1.66	98.5	600	96.1	100.0	96.6	100.0	1000	83.3	600	1000	1.00	100.0		200	1216	98.1
SAND SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE				.2		4.5	3.3											X	3	. 2
GE FOG GROUND FOG																		\bigvee		
509																		\bigvee		
THUNDER																		M		
HAIL SMALL HAIL																		\bigvee		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE		1.1																\bigvee	-	-
RAIN	8	2.3	1.8			4.9			3.4			16.7	9.1		33.3			X	20	1.6
NIA																		\bigvee		
WIND	z	NNE	NE NE	ENE	ш	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	N.V.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

1

TOTAL NUMBER OF OBSERVATIONS

1,240

JAN 1973-DEC 1977 BARBERS POINT, HAMALI 22514 STATION

NOVEMBER

ALL HOURS (L.S.T.)

1142 NO BLOWING SAND AND DUST BLOWING SMOKE GROUND FOG F0G 5.9 5.0 THUNDER HAIL HAIL SNOW GRAINS PELLETS SHOWERS SLEET

" SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE DRIZZLE 20.02 25.0 20 22222 RAIN E . O . RAIN VARIABLE % TOTAL DIRECTION CALM TOTAL MNN NNE ENE ESE NSW WSW MNM SSW SSE M SE 3 *Z w s

0

0

0

1

TOTAL NUMBER OF OBSERVATIONS

1,200

NAVWEASERVCOM

0

PERCENTAGE FREQUENCY OF WIND DIRECTION

	ALL
	DECEMBER
VS. WEATHER CONDITIONS	JAN 1973-DEC 1977
	INT. HAWAII
	BARBERS POI
	22514

WEATHER	94.1	97.8	96.1	97.5	0.001	4006	100.0	100.0	91.7	87.5	75.0	81.8	82.4	86.7	92.3	85.7		0.00	1194	96.4
BLOWING SAND AND DUST																		$\langle \cdot \rangle$		
BLOWING																		\bigvee		
SMOKE																		\bigvee		
GROUND FOG																		\bigvee		
902																		\bigvee		
THUNDER																		\bigvee		
HAIL SMALL HAIL																		X		
SNOW "GRAINS "PELLETS "SHOWERS																				
SLEET SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN	2.9	2.2							6.4	12.5	25.0	18.2	17.6	13.3	7.7	14.3		X	86	3.1
RAIN	2.9		83			3.6			1.1									X	-	9.
WIND	z	NNE	NE	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	M.N.	MNN	VARIABLE	CALM	10202	% TOTAL

NAVWEASERVCOM

10

1,239

TOTAL NUMBER OF OBSERVATIONS

NO WEATHER

SAND AND DUST

THUNDER

HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET " SHOWERS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

SHOWERS

RAIN

DIRECTION

0 0

NNE

0

z

M

ENE

w

0

ESE

SSE

.

N 4 N 0 8 O 4 O

WSW

*

NS

SSW

4.16

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973-DEC 1977

BARBERS POINT, HAMAII

\$25914

ALL

•		-		
i	*			
1				

BLOWING 50 SMOKE HAZE CE FOG GROUND FOG 20 0 500

14,602

14222

0

TOTAL NUMBER OF OBSERVATIONS

319

7 TOTAL

TOTAL

X

VARIABLE

Z Z

CALM

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOW DEPTH SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). may be misleading. ij
- The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. a

Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT	Snow depth at 0030 GCT	Snow denth at 1230 GC
From beginning of record thru 1945 Jan 46-May 57 Jun 57-present	From beginning of record thru Jun 52	Jul 52-Mey 57
Air Force Stations	U. S. Navy and Weather	Bureau Stations

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

ATION STATION NAME STATION NAME

0

0

Q

0

0

0

0

10

10

10

3

49-77

YEARS

AMOUNTS (IN	AMOUNTS (INC	AMOUNTS (INC	AMOUNTS (INC	MOUNTS (IN	DUNTS (INCH	5	ESI						PERCENT	TOTAL	NON	MONTHLY AMOUNTS	UNTS
NON	TRACE	5.	.0205	0190.	.1125	.2650	.\$1.1.00	1.01.2.50	2.51.5.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DATS	10.01-20.00	OVER 20.00	WITH	Š			
NON	TRACE	♦.0-1.0	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5.15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	0 0	MEAN	GREATEST	LEAST
NON	TRACE	-	2	9	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS				
51.7	7 17.2	4.0	6.1	4.8	6.1	3.9	2.1	5.4	1.2	.3			31.0	899		4.3514.09	.47
94.0	0 22.8	3.4	6.7	3.4	3.3	1.8	1.8	2.4	. 5				23.3	191	2.43	9.98TRACE	TRAC
57.0	0 21.3	2.7	6.3	3.5	2.6	2.5	2.2	1.4	4.		. 1		21.7	837		2.5017.27	.06
53.8	8 24.6	4.4	7.2	3.4	3.0	1.3	1.0	.,	9.				21.6	870		1.4612.03	.03
4.49	4 21.4	3.0	4.9	1.9	1.4	1.7		4.	.2				14.2	899	.92	8.45TRACE	TRAC
61.0	4.62 0	2.2	4.4	1.1	Ġ.	er.	• 2	.2					9.5	870	.31		1.96TRACE
58.9	9 27.0	3.1	6.7	1.9	1.7	9.		.1					14.1	837	.31	1.	24TRACE
64.5	5 23.7	3.0	5.3	1.9	.8	.3	.2	.2					11.8	899	.32		2.09TRACE
62.6	4.42	3.6	5.1	1.5	1.3		4.	.2					13.0	840	.42	1.65	.02
61.2	2 21.5	3.3	5.6	2.1	2.6	5.	1.4	1.2	.1				17.3	908	1.36	5.60TRACE	TRAC
52.6	6 24.4	3.3	7.0	3.7	3.0	1.7	1.5	2.0	9.	.1			23.0	840		2.6111.71	.01
\$3.9	9 21.1	3.0	6.5	3.3	4.3	2.2	2.8	2.3	4.				24.9	899	2.85	8.04	.10
98.0	0 23.2	3.2	0.0	2.7	2.6	1.5	1.2	1.1	.3	0.	0.		18.8	1034919.84	19.84	X	X

0 0

0

0

0

0

0

0

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

BARBERS POINT, HAWALL

49-55, 63-64, 66-77

LEAST MONTHLY AMOUNTS 0 0 0 0 0 0 0 0 0 0 0 0 GREATEST 0 0 0 0 0 0 0 0 0 0 0 0 0 MEAN 510 240 589 6453 527 496 558 570 55.00 527 340 527 481 NO. NO. 1.01.2.50 2.51.5.00 5.01.10.00 10.01.20.00 OVER 20.00 OF DAYS
6.510.4 10.5115.4 15.5.25.4 23.5.30.4 OVER 30.4 MEASUR25.36 37.48 49.60 61.120 OVER 10 AMES OVER 120 61-120 19.60 37.48 25.36 4.5.6.4 .51.1.00 13.24 AMOUNTS (INCHES 24.50 25.34 3.5.4.4 7.12 .11.25 4.6 01-90 1.5-2.4 0.5-1.4 .02-.05 0.1.0.4 5 TRACE TRACE TRACE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ANNUAL 100.0 100.0 100.0 100.0 100.0 100.0 NON NON NON NOWFALL MAR APR MAY PRECIP AUG 500 Š 5 SNOW NY N FEB 텇 SEP

NAVWEASERVCOM

· 2

18413

0

0

Q

0

0

0

0

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

BARBERS POINT, HAWAIT

49-55, 63-64, 66-77

						YWY	AMOUNTS (INCHES)	(CHES)						PERCENT		NON	MONTHLY AMOUNTS	STNO
PRECIP.	NON	TRACE	5	.0205	0190.	.1125	26.50	.51.1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01.20.00	10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	NO.		(INCHES)	
SNOWFALL	MON	TRACE	0.1.0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.54.4	4.5.6.4	6.5.10.4	10.5.15.4	10.5.15.4 15.5.25.4	25.5-50.4	25.5-50.4 OVER 50.4	MEASUR.	0 0	MEAN	GREATEST	LEAST
SNOW.	NON	TRACE	-	2	-	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS				
NAL	100.0														464			
£	100.0														481			
MAR	100.0														464			
APR	100.0														510			
MAY	100.0														558			
N S	100.0														570			
101	100.0														558			
9	AUG 100.0														527			
SEP	100.0														940			
00	100.0														527			
NOV	100.0														940			
DEC	100.0														589			
TOPE	ANNUAL 100.0														6392		X	X

FROM DALLY OBSERVATIONS

YEARS

49-77

BARBERS POINTS HAWAII

22514 STATION

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FB.	MAR.	APR.	MAY	, vor	JUL.	AUG.	SEP.	OCT.	NON	DEC.	ALL
64	50.6	-	010		60.		. 20			.15	.07		
20	4.41	7	09.		80		.05		.05			2.69	
15	.58	-			.02		.10	-	1.37	0	.13		*
55	3.44	U	.28		84.	0.50	. 42	TRACE	.02	1.75	.36	~	3.44
53	.33			0	.26			A	.08		0	0	
24	.27		100		0	.03	. 12	-	09.		7.03	-	7.03
55	2.57	9		2	. 57	0	0.	0	. 16	. 12	-	-	
90	3.07	1.84		.24	. 47	TRACE	1.21	.13	10	.23	2.17	2.36	
57	3.97	7	10.			.0.	0	90.	.02	A		0	3.97
38	.22	7		.07	0	.10	.19	40.	.10	2.11	.05	-	
59	1.47	~		.08	3	.03	60.		.15	-	1.09	0	
00	.18	7	.53	.02	1.55	80	. 21		.34	16.	-	. 82	3
19	2.55	3	.16	*	0	.31	.17	*0	11.		. 36	0	
62	1.36	0		~	34	.20	.03		.14	1.26	10.	0	1.75
63	5.25	1		0	6	96.	.16		1.05	-	.19		
49	1.53	.03	1.25	.18	.12	.03	. 18	.01	.10	.05	2.30	1.67	2.30
69	1.19			~	0	.03	. 33		. 45	0	-	0	
99	. 81		. 29	.24	2	.03	.05	.07	.27	.37	-	.67	2.14
67	. 25	-	1.18	~	6.03	15.	. 31		.36	. 23	. 26	1.94	
69	5.05	•	08.	0	1.12	12	.15	TRACE	.20	1.06	3	1.68	5.02
69	3.77	10.	1.12	90.	. 29	.03	. 29	10.	.35	0	1.33	.12	
10	. 58	-	90.	0	.10	.03			.07	1,21	*	.05	
7.1	1.73		.73	7	.37	1.37	TRACE	.27	. 54	09.		-	1.73
72	4.75	-	69.	2.85	. 16	1.8	0	.10	86.	1.87	10	-	4.75
73	1.18		. 25		. 59	*O*	. 20	==	*0.	1	3.03	1.34	
14	1.20	•		9	60.	1.20	.17	4	. 19	1.09	~	0	3.90
73	1.78		1.42	60.	. 37	*0	. 14	TRACE	.05		U.	.24	
20	. 25	-	.39	.70	*0.	.07	.05	90.	.20	.05	-	60.	3.80
4.6	.27	10	.22	. 57		643	.05		*0.	.16	15.	19.	3.07
MEAN	2.04	1.28	1.15	F.	. 52	.23	.19	.21	.29	18.	1.29	1.35	3.69
S. D.	~	1.265	2.019		.678		.230	-	940	.931	1.561	1.156	2.032
TOTAL OBS.	668			870	899	870	12.	668	040	•	30	30	960

PRECIPITATION

BARBERS POINT, HAWAII

0

49-77

YEARS

/BASED ON LESS THAN FULL MONTHS/

YEAR JAN.	64	90	23	25	65	63	20	73				MEAN	S
E													
B. MAR.				3.39	30.	.62							
APR.				0	9								
MAY													
NO.													
JUL.			307				13						
AUG.													
SEP.	.12												
OCT.								27					
NOV		. 12											
DEC.													
MONTHS	PRECI	PRECIF	PRECIP	DAYS	PRECIP	PRECIP	DAYS	PRECIP					

0

0

0

0

0

0

0

0

NAVWEASERVCOM

0

0

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

63-64, 66-77

49-550 570

BARBERS PUINTS HAWAIT

22514 STATION

0

24 HOUR AMOUNTS IN INCHES

YEAR	, AN	FEB.	MAR.	APR.	MAY	JGN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	MONTHS
64	0.	0.	0.	0.	0.	0.	0.	0.	0.	•	0.	0.	0.
50	0.	0.	0.	0.	0.	•	0	0.	0	0.		0.	
51	0.	0.	0.	0.	•	0.	•	0.	0.	0.	•	0.	0.
52	0	0.	0.	0.	•		0.	•	0.	•	•	0.	0.
53		0.	0.	0.	0.		0.	0.	0.		0.	0.	
34	0.					0	0.						
55						0.							
96													
57													
28													
66													
09													
19													
62													
69					-					0.	0	•	
49	0.	•		•	•	0.	•		•	•	•	0.	
6.0		•	-		•		•	•		•		•	•
00	2			2		•	2	2			2		2
10					•	•	•	•		00	•	20	
90	•	0.	0.	•	0.	0.	•	0.	•	•	0	•	0.
69	•	•	0.	•	•	0.	0.	0.	•	•	•	•	0.
20	0.	0.	0.			0		•	•	•	•	0.	
7.1	•	0.	0.	•	•	0.	•	0.	•	0.	0.	0.	0.
72	0.	0.	0.	•	•	0.	•	•	•	•	•	0	•0
73	0.	0.	0.	0.	0.	0.	0.	0.	0.		•	0.	
74	0.	•	0.	•	•	0	•	0.	•	•	0	0.	•0
15	0.	0.	•	0.	•	0.	•	•	•	•	•	•	0.
16	0.	0.	0.		•	0.	•	0.	0	•	0	0	•0
11	0.	•	•	0.	0.	0.	•	0.	0.	0.	•	•	0.
MEAN	00.	00.	00.	00.	00.	00.	00.	00.	00.	00.	00.	00.	00.
S. D.	000	0000	0000	000.	0000	0000	0000	000.	000.	000.	.000	000	000
TOTAL OBS.	527	481	964	510	558	570	558	527	540	527	240	586	6453

0

0.0

0

10

SNOWFALL

2

49-55, 57,

63-64, 66-77

BARBERS POINT, HAWALL

/BASED ON LESS THAN FULL MONTHS/

YEAR JAN. FEB.	06	53	34	95			95		0		62				59
MAR.			0	0	0	0	0		0				_		
APR.			0	0	0	0	0	0	0	0	c	c			•
MAY			0	°	0	0	c	0	0	o	c	0		1	c
JUN.		0			0	0	c	0	c	0	0	0			C
JUL.				0	0	0.0	0	0	0	0	0	0			0
AUG.			0	•	0	0	0	0	0	0	0	0	30.0		0
SEP.			0	0	0	0	0	0	0	0	0	0			0
007.		0	0	•	0	0	0	0	0	0	0				0
NOV.	2.0		0	0	0	c	0	c	0	c	0				0
DEC.			0	0	0	0	0	0	0	0	0				0
MONTHS	SNOFAL	SNOFALL	SNOFAL	SNOFALL	SNOFAL	DAYS									

G

NAVWEASERVCOM

0

3

0 0 0 0

SNOWFALL FROM DAILY OBSERVATIONS

49-550 570

BARBERS POINTS HAWAIT

22514 STATION

63-64, 66-77

/BASED ON LESS THAN FULL MONTHS/

MONTHS	SNOFALL	SNOFALL									
DEC.											
NOV											
OCT.		2.0									
SEP.											
AUG.											
JUL.	13.0										
, NOT											
MAY											
APR.											
MAR.											
•											
JAN.											
YEAR	10	73	1						MEAN	S. D.	

NAVWEASERVCOM

SNOW DEPTH (FROM DALLY DESERVATIONS)

49-550 570

BARBERS POINT, HANAIL

DAILY SNOW DEPTH IN INCHES

Z.		1	0	0														0		0	0		0	0		0	0	0	0	•
MONTHS				-																										
DEC.	0	0	00	0	0										0	0		0	0	0	0	0	0	0	0	0	0	0	0	
NOV.	0	1	0	0	0										0	0		0	0	0	0	0	0	0	0	0	0	0	0	
OCT.	0	0	0	0											0	0		0	0	0	0	0	0	0		0	0	0	0	
SEP.	0	0	00	0	0											0		0	0	0	0	0	0	0	0	0	0	0	0	
AUG.	0	0	0	0	0													0	0	0	0	0	0	0	0	0	0	0	0	
JUL.	0	0	0	0	0	0										0		0	0	0	0		0	0	0	0	0	0	0	
JGN.	0	0	0	0		0	0									0		0	0	0	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0											0		0	0	0	0	0	0	0	0	0	0	0	0	-
APR.	0	0	0	0	0						1					0		0		0	0	0	0	0	0	0	0	0	0	-
MAR.	0	0	0	0	0													0		0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0											o		0		0	0	0	0	0	0	0	0	0	0	-
JAN.		0	0	0		0										0		0		0	0	0	0	0	0	o	0	0	0	
YEAR	64	20	7	25	53	94	25	90	57	58	65	90	01	62	63	79	65	99	67	68	69	70	7.1	72	73	74	75	76	11	

0

0

NAVWEASERVCOM

0

SNO DPT MONTHS

DEC.

SEP

AUG.

ĭ

N

MAY

Y

MAR

E

NY.

YEAR

MONTH

O

BARBERS POINTS HAMAIT

STATION

1 RU &

49-550 570

63-64, 66-77

FROM DAILY OBSERVATIONS

SNOW DEPTH

EXTREME VALUES

/BASED ON LESS THAN FULL MONTHS/

NON

SNG DPTH DAYS SNO DPTH DAYS

C

SNO DPTH

C

SND DPTH DAYS

0 -

DAYS SND DPTH DAYS SNO DPTH

C

C

C

C

O

-

DAYS

DAYS

SNO DPTH DAYS

SNO DPTH

C

C

O

SNO DPTH

SNO OPTH

C

C

C

O

C

DAYS

SNO DPTH

C

C

SNO DOTE DAYS

SNO DPTH DAYS

SNO DPTH

DAYS

C

C

MEAN S. D.

6.5

NAVWEASERVCOM

TOTAL OBS.

EXTREME VALUES

SNOW DEPTH (FROM DALLY OBSERVATIONS)

BARBERS PUINT, HAWAII

49-550 570

/BASED ON LESS THAN FULL MONTHS/

20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

NAVWEASERVCOM

ASHEVILLE, NORTH CAROLINA

NAVAL WEATHER SERVICE DETACHMENT

BARBERS POINT, HAWATI

STATION 22514

STATION NAME

JANUARY MONTH

DATE

M

INCHES

1974 1969

MM

INCHES

DAY

44.0

1.83

3.77

1953

0.24 09.0

1971

6961 96

1964

1949 1950

3.70

œ 6

1.17

1963

133 86 30 30

5.25

1.53

2 9 1956

1965

1.19 3.07

10

=

1975

43

1970 1957 1949 1959

0.58

5.05

1971

4

0.57

12 13 14 15 16 1952

87

3.44

1957 1957

- 6

2.65

3.97

21

2.31 4.75

22

1957

36

1.40

18 19 20

1.47

17

128

1950

1972

121 101

1957 1961 1956

1968

44 1971

1961

6.5

2.55

1.08

24 25

23

0.35

26 27

3.28

1.73

1975

1.36

14.0 5.25

31

Monthly

0.27

53 30

28

SNOWFALL

PRECIPITATION GREATEST

1949-1977

YEARS

FEBRUARY

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

117 1955

Monthly 4.62

BARBERS POINT, HAWALL

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION 22514

STATION NAME

MARCH

1949-1977

YEARS

DATE SNOWFALL Σ INCHES APRIL DATE PRECIPITATION Σ INCHES DAY

DATE

M

INCHES

1963

96

Z

DAY

SNOWFALL

PRECIPITATION GREATEST

1962

1960

267 1958 1958

16.01 1.36 0.23 09.0

2 9

18 1972 1955

69.0 0.13 1950

19

2.42

12

13 14

=

43 1951

3 1951

0.11 1.68

10

œ 6

1975 60.0

10

=

12 13 14

15

16 17 18

100

24 1968 3.90 0.57

19

1964

1971

0.05

19 20

18

1964

86 1955

3.39 06.0 1.25

21 22 23

1961 65

32 1964

17 1951

99.0 2.97 24.0 1.42

25 56 27

24

1951

11 1951

1969

0.80

15 16 17

1.12

06.0 0.85

1.75

3.47

23 1954 1963

22

20

0.29

21

0.33

22 23 24

0.21

8 1950

29 1971

5 1968

1.16

1.24 0.22

25

220

11 1950

0.43

92 27 28

4 1976

0.15

73 1954

0.33

30 31

8 1975

0.28

30 31

0.18

29

28

267 1958

10.51

Monthly

29

2.87

161 66

3.90

Monthly

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD · ALSO ON EARLIER YEARS

DIRNAVOCE ANMET - SMOS

שתות

1949-1977

BARBERS POINT, HAWAIT

STATION NAME

STATION 22514

iste

12595 11981

MONTH

MAY

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

YEARS

BNOC	HONTH	PRECIPITATION GREATEST	DAY INCHES MM DATE INCHES	1 0.20 5 1962	2 T T 1977*
		SNOWFALL	MM		
			0		

SNOWFALL

PRECIPITATION GREATEST

DAY

ATE

	INCHES										
z	DATE	1962	1977*	1972	1974#	1977	19734	1968	1974	1961	1972#
PRECIPITATION GREATEST	MM	~	-	2	-	=	•	,	-	7	1
PRE	INCHES	0.20	-	0.18	0.04	64.0		0.15	0.05	0.03	0.05
	AA	-	2	3	4	2	9	7	00	6	10

3

5 1950

1949

0.96

12 13 4 15

œ 6 10

Ξ

13

12

> S 9

0.20

24 1963

1977#

6 197

1.37

0.25

16

17 18 19

1972

19724

0.00

25

26 27 28 23 30

24

1970

0.08

13 1967

35 1971

1.37

Monthly

31

1974#

1970*

30 1974

1949 1974

0.03

21

0.00

22 23

1.20

20

20

19

21

22

25 56

24

23

27

18

0.01

NCHES	MM	DATE	INCHES	MM	DATE
0.26	7	1953			
1.94	64	1965			
0.39	10	1965			
0.26	-	1965			
0.29	-	1969			
0.06	2	1973			
0.04	-	1958			
	*	1953			
0.19	5	1962			
5.69	99	1977			
16.0	23	1977			
1.55	39	1960			
0.37	6	1960			
3.07	78	1977			
14.0	12	1986			
68.0	23	1950			
	-	1967*			
	6	1967			
	11	1965			
0.22	9	1966			
94.0	12	1959			
84.0	12	1952			
0.37	6	1975			
0.02	-	1961			
\$0.0	-	1961			
60.0	-	1961			
0.57	14	1955			
0.59	15	1973			
0.07	2	1967			
0.37	6	1971			
20.0	-	1661			
3.07	78	1977			

16 17

15

14

1000
YEARS
п-
-
•
-
111
•
-
_
~
u.
EB
-
_
-
_
-
ar.
EARL
a
111
-
_
õ
-
0
0
-
SO
CA
-4
_
-
ď
-

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

Monthly

53 30 31

BARBERS PUINT, HAWAII

22514 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

JULY

Q

Q

0

1949-1977

YEARS

AUGUST

DATE INCHES MM GREATEST 1967 1954 1955 1965 1965 1965 1965 1956 1956 1956

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

BARBERS POINT, HAWE

22514 STATION

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

SEPTEMBER MONTH

1949-1977

YEARS

OCTORER

MONTH

DATE SNOWFALL MM INCHES 19754 13 1970 9 1966 DATE 5 1952 9961 € 3 1960 2 1962 23 1960 1 1969 18 1958 29 1952 18 1965 101 1965 44 1952 32 1962 6 1958 54 1958 2 1969 53 1951 47 1972 4 1977 4 1961 41 1961 PRECIPITATION GREATEST M 1.06 0.14 3.98 0.11 1.26 16.0 0.04 0.16 0.08 1.87 0.16 69.0 1.21 0.05 0.04 0.37 1.60 0.21 0.23 2.11 INCHES DAY 12 18 10 13 14 15 16 1 19 22 S = 20 21 23 24 56 9 00 6 25 27 28 1

	DATE																															
SNOWFALL	MM																															
ชื่อ	INCHES																															
NC	DATE	1972	1951	1966	1969	1959	1958	1960	1951	1975	1964	1957	1949	1965	1977	1956	1963	1963	1951	1970#	1968	1969	1955	1971	1965	1971	1968	1963	1966	1954	1960	1951
PRECIPITATION GREATEST	MM	25	-	1	1	7	3	1	9	1		-	-	11	-	-	4	27	35	1	*	6	5	12	8	14	1	*	•	15	3	35
	1	1	1									1																			1 1	
PRE	INCHES	86.0	60.03	0.04		0.15	01.0	0.04	0.23	0.05	10.0	20.0	40.0	0.45	40.0	0.02	0.17	1.05	1.37	0.02	91.0	0.35	0.18	65.0			0.03	0.15		09.0	01.0	1.37

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

19 1959

22 195

30

29

101 1965

3.98

Monthly

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION 22514

BARBERS PUINT, HAWATI

NOVEMBER MONTH

STATION NAME

1949-1977

DECEMBER

MONTH

SNOWFALL Σ INCHES *6161 DATE 43 1957 PRECIPITATION GREATEST Z 1.68 0.14 NCHES DAY

DATE

MM

INCHES

DATE

M

INCHES

DAY

1973

1951

1966

0.72

2.14

1.22

9

0.19

1959

28

1.09

0.13

34 1966 1966

SNOWFALL

PRECIPITATION

DATE

> 10 =

6

1965

99.0

œ

1955

1965 1965 1965 1959 5961

3.56

10 = 12

19.0

6

16

2.01 3.60 0.13

6

101 1968 0.75 1.29 3.97 0.12

> 14 15

13

12

> 16 17

> > 1956 1956

64

1.92

30

55

2.17

1969 1956

4.1

1.60 0.26

> 14 15 16 11 18 19 20 21 22 23 24 25 26 27 28 29

13

1950

1957

29

2.45

1973

24

0.12

119 1972

18 19

2.35

20 1955

3 1963

0.79 01.0 0.57

21 22

20

14 1964

22 1962

0.87

23

24

1975

3.24

2.77

0.27

1975 1975 1954

7.03 3.03

1964

2.30 0.88

0.51

1977

1975

0.75

1.88

8 33

0.55 46.0 1.14

27

29 1958

88 53

119 1972

1.84 4.70

Monthly

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD · ALSO ON EARLIER YEARS

DIRNAVOCE ANMET - SMOS

179 1954

7.03

Monthly

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 period. Every month of a year must have valid observations present before the ALL MONTHS value is selected column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any ;

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a wind speed for each direction. 5

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- 2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Celling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal greater than 200 feet. ۀ

SURFACE WINDS

49-77

BARBERS PUINTS HAWALL

22514 STATION

0

DAILY PEAK GUSTS IN KNUTS

S	46		40	39	47	2	60	44	36	47	37	35	33	64	38			38	4	41		42			34	4		37	1.9	833	0
MONTHS	MSM		ENE	ENE E	ZZ	SSE	SSE	Z	u	RZZ	z	ENE	300	X OX	Z			ESE	2	N.			15		50	20		90	4	6.9	
DEC.	37	37		35		45	7	44			27	97	92	23	38		28	38	31	4.1	33	33	58	34	30	27	30	36	200	194	
	N N	211	ENE	NE	ENE	S	T	NE	-	ENE	32	S	X	-	32		ш	ESE	3	S	SENE	13	50	21	60	30	30	14	50	5	
NOV	36	37				-							27	27			33												32.3	1000	1
	32NE 30NE	w	w	とと	655	050	SE	SNE	DEN	SNN 2	Z H	NZ.	SEN	NY V	8EN	25E	n	-	9	N	ONE	2	0	10	109	620	2903	201	0	5	1
OCT.	141					1															SW 2								28.	4.15	
ď	34NE 34EN	BOE	NA W	342	356	28N	26N	26N	200	1			30E	42N	272	20M	23	27E	235	25N	245	240	262	56	220	260	270	320	1.9	750	-
SEP	S S S S S S S S S S S S S S S S S S S	w.	SE	Z	SENE	2	2	出といす	3	123	12.5	12	ANE	10	Z	SE	34.	1900	-	-	SNE	-	-	-	-	-	-	0	2	3	
AUG.	m m	m	m	~	-	•	~	643	w	*	~	~	NE 2	~	~		2	~	~	~	~	~	~	~	~	~	~	~	30.	5.140	
,	32NE 32NE	125	w	32E	36NE	32NE	Z Z	30EA	286	265	ZONE	12.2	w	15.5	w	24	27EN	100	-	0	Z	2606	2706	300E	2407	2706	3005	3406	20	26	
JU.	N N N	Z	ENE	Z.	N.	ENE	N	w	ENE	FNE	NE	2	E E	u Z	ENE	w	W Z	E NE		ENE		07	90	20	90	60	80	90	28	3.6	H
NO.	328	100	3	50	100	100	(1)		8	3	3	28	22	26	28	2	2	22	~	~	25	27	26	23	24	26	32	25	28.3	.376	
	27NE 3BENE	32EN	Z#4	36EN	31NE	37NE	PNE	2655	ZHE	DEN	39	30EZ	PER	SEN	SEN	Z	W Z	36	2EN	36	BNE	604	906	808	909	406	900	1001		3	1
MAY	244		221				-	22.2	113									125			wz								26.5	4.46	
APR.	346		-		200	-	•	2	-		~		N	2	w	~	•	25	36	58	29	26	27	28	30	27	32	35	0	656	
₹	TENE PENE	4	BUNG	26	4SSE	BN6	WZ.	SNNE	3ESE	ONNE	DENE	ANNE	98	255W	ZE	SENE	SNE	SZZE	3 7	J.	SENE	707	206	200	410	108	307	102		9	
MAR.	-	. 3	4	1	-	2.1	~	442	-	Cal	-	~	N	503	~	~	N	N	141	2	~	2	~	603	(e)	2	(4)	CL.	31.9	6.76	١
	306	u	36E	36E	274	SIN	200	714	3455	347	370	275	32E	36E	28E	26N	300	295	204	32N	29E	290	312	290	245	330	430	300	3.4	982 (
FEB	T.			MINE	NNE	SSE	3	ZOZ	33WSW	3	Z	NNE	3	3	N.	z	3	EN E	3	Z	3 N	2	22	02	60	17	21			r.	
JAN.	4			34						1		1				1			I	33	8 30							54	37.7	865.	ч
	3	ENE	w	Z.	Z	Z	SS	55	Z	N.W	Z	N.	SS	3	W Z	z		Z		X	NE	3	1.5	90	24	-1		1.8	1	200	-
YEAR	4 S	31	25	23	36	55	26	57	58	66	09	61	63	63	49	69	99	67	6.0	69	10	-	72	13	14	18	16	=	MEAN	S. D.	

0

0

0

0

ò

8

.

SURFACE WINDS

BARBERS POINT, HAWAII

22914 STATION

49-77

/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH!

YEAR	JAN.	£	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
64	5 528	5 33ENE	NE 34										WINDS
51		ENE 40											MINDS
59								NE 21				NNE 31	WINDS
99	N 29				MN# 26					ENE 25			MIN
70							NE 24						N A D
73										24 24 26			MINOS
	92												AV
MEAN													
S. D.													
TOTAL OBS.													

20

0 0

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS PUINT, HAMAII

22514

0

0

0

02 HOURE (LS.T.)

NONTH

WEAN WIND SPEED	0.0	7.8	5.6	0.9	5.7		12.0		10.3	11.6	11.0	13.7	13.1	2.0	4.5				
*	9.	7.1	59.0	31.6	11.6		9.		4.5	3.2	1.9	1.9	4.5	9.	1.3			1.3	0 000
**																		\bigvee	
48 - 55																		\bigvee	
4.4																		\bigvee	
34 . 45																		\bigvee	
28 . 33																		\bigvee	
n · n													9.					\bigvee	
17 - 21									9.									X	
11 - 16		9.	9.	1.3			9.		1.3	1.3	1.3	1.3	5.6					X	
7 - 10		3.2	4.5	0.6	3.9				1.3	1.9	9.	9.	1.3		9.			X	
•	9.	5.6	6.12	18.1	5.8				1.3					9.				X	
:		9.	1.9	3.5	1.9										9.			X	
SPEED (KNTS) DIR.	z	N.	¥	EN EN	w	ESE	35	386	•	ASS	AS.	MSM	*	WWW	NA	MNN	VARBL	CALM	-

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

(FROM HOURLY OBSERVATIONS)

Ē

SURFACE WINDS

73-77 ALL WEATHER COMBITION BARBERS PUINTS HAWAIT

0.5 HOURS (1.8.T.)

JAN.

WEAN WIND SPEED	5.3	6.7	2.0	5.4	1.4				13.5	10.9	7.0	12.6	12.7		0.9				9.9
*	1.9	6.4	30.3	33.5	1.1				2.6	6.9	9.	4.5	1.9		9.			9.	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21									9.			9.						\bigvee	
11 - 16		1.3	0.	0.	9.				1.3	4.5		5.6	1.3					X	0 61 7 96
7 . 10	9.	2.6	5.6	1.1	2.6				9.	1.9	0.	1.3	9.					X	300
• •	1.3	4.5	23.9	21.3	3.9										9.			X	3 33
		1.3	3.2	4.5														X	0
SPEED (KNTS) DIR.	z	N.	¥	Z.		ESE	*	358	5	SSW	X.	WSW	*	WWW	¥	NNW	VARBL	CALM	

7.2

MEAN WIND SPEED

28 - 33

22 . 27

17 - 21

11 . 16

7 - 10

:

SPEED (KNTS) DIR.

5.9 1.3 8.5 8.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS PUINT, HAMAIT

73-77

ALL WEATHER

NOURS CLS.T.

LAN

COMDITION

3.9 6.1 30.5 33.8 1.3 .6 9. 9. 1.1 0 12 48 - 55 41 - 47 34 - 40

0

3.2

1.9

9.

0

WSW

1

S

0

WWW

*

0

VARBL

CALM

0

N S

0

9.

9.

SSW

~

2 23 ESE

1.3 3.2

1.3

0

9.

0

2.6 7.8

6.5 3.5 9.

2 2 2

0

0

3.2 21.4 20.8 1.3

E

•

12.8 0.9 12.0

10.3

2.0 2.0 0.9

:

TOTAL NUMBER OF OBSERVATIONS

6.5

100.0

0

12.3

22.7

50.0

14.3

154

0

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

3

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS POINT, HAWALL

22514 STATION

YEARS

11 HOURS (LS.T.)

JAN.

COMBITION

.6 1.3 .6 1.3 .6 1.9 .6 1.9 .6 1.9 3.9 1.9 3.9 1.9 3.9 1.9 4.5 .6 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 3.2 4.5 4.2. 4.2 4.2. 4.2 4.2. 4.2 4.2. 4.2 4.2. 4.2 4.2. 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4		• • •	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 46	41.4	48 - 55	8	*	MEAN WIND SPEED
1.3 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9			9.									9.	10.0
1.9 3.2 7.7 1.9 1.9 2.7 1.9 2.0 1.9 2.6 2.6 2.6 2.6 2.7 2.7 2.1 2.9 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.8 2.6 2.6 2.6 2.6 2.7 2.7 2.7 2.7 2.8 2.8 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9			9.	1.3								1.9	13.7
3.2 1.9 1.9 1.3 4.5 1.3 4.5 2.6 2.6 2.6 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	1.9		.6	1.9								4.5	6.6
7.7 1.9 1.9 2.0 4.5 1.3 2.6 2.6 2.6 3.2 1.9 3.2 1.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	1.3		7.7	3.2								12.3	4.4
1.9 1.3 1.3 1.3 1.3 2.6 2.6 2.6 2.6 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	1.9		10.3	7.7								20.0	10.0
1.3 .6 .9.0 4.5 .6 .9.0 2.6 .6 .6 .6 .5.2 1.9 .6 .6 .2.0 2.0 .6 .7 1.3 1.3 1.3	4.5		3.9	1.9								10.3	7.8
1.3 .6 2.6 2.6 3.5 1.9 .6 6 .6 7.0 1.9 .6 2.0 2.0 2.0 3.2 3.2 3.2 3.2 3.2 3.2 3.3 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.2		3.9	1.3		9.						0.6	1.6
4.5 1.3 2.6 3.2 1.9 3.0 1.9 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	3.9		4.5	9.								0.6	7.2
1.3 · 6 5.8 2.6 · 6 3.2 1.9 · 6 2.6 2.6 3.2 2.6 3.2 2.7 1.3 1.3 1.3	5.2		3.2	4.5								13.5	8.3
2.6 .6 .6 .6 .6 .6 .6 .7 .7 .8 .9 .9 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	9.		3.2	1.3	0.							5.8	10.1
.6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .	9.		1.3	5.6								5.2	6.6
1.9 • 6 .6			1.9	0.	9.							3.2	11.8
6. 1.3 6. 6 79.7 1.3 1.3				1.9		9.						2.6	15.8
6.													
29.7 1.3 1.3			9.	9.								1.3	10.0
29.7 1.3 1.3													
29.7 1.3 1.3													
29.7 1.3 1.3	\bigvee		X	\bigvee	9.								
	23.2		42.6	29.7	1.3	1.3						100.0	9.4

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

CONDITION

14 HOURS (L.S.T.)

NOW HOW

SPEED (KNTS) DIR.	:	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	95 Al	*	MEAN WIND SPEED
z		9.		1.3								1.9	10.0
NNE				6.1								1.9	13.3
34		9.		9.5								3.2	12.6
ENE		3.5	3.9	5.6	1.3							11.0	6.6
		1.9	4.5	6.9	9.							13.5	10.9
ESE			2.6	1.3								3.9	10.8
SE			3.9	5.2								0.6	10.6
SSE			3.2	9.5		9.						6.5	12.1
s	9.	2.6	7.1	3.2								13.5	9.1
SSW		9.	5.2	5.6	1.3							6.4	11.0
SW		9.	5.2	5.6								8.6	9.6
WSW		••	1.9	3.9								6.5	11.6
*			3.2	1.9	9.							5.8	12.0
WWW		9.	1.9	1.3								3.9	10.0
NW		9.		9.								1.3	9.5
MNW													
VARBL													
CALM	\bigvee	X	\bigvee	0.									
	9.	12.3	42.6	40.0	3.9	9.						100.0	10.6

1880

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWALL

DIRNAVOCEANMET SMOS

910

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION BARBERS POINT, HAWALL

17

NAC

SPEED (KNTS) DIR.	1.3	• •	7 . 10	11 . 16	17 . 21	22 - 22	28 - 33	34 . 40	41.0	48 . 55	8	*	WEAN WIND SPEED
z													
W.	9.		9.	1.3	9.							3.2	10.6
W.		1.3	1.3	4.5								7.1	10.9
ENE		9.	4.4	1:1								18.1	10.5
		6.1	3.9	2.6								11.0	10.2
ESE			9.									9.	8.0
35		1.3	3.9	1.3		9.						1.1	10.1
SSE	9.	0.	1.3	9.								3.2	9.9
s	9.	9.	7.1	3.9								12.3	9.5
SSW	9.	1.9	4.5	5.6	9.							10.3	6.8
XX	•	1.3	3.5	1.3								6.5	8.2
WSW		1.3	3.5	1.3	1.3							1.1	10.5
>		1.3	3.2	5.6								7.1	10.3
WWW		1.3	9.	5.6								4.5	10.0
*			1.3	9.								1.9	6.1
NNN													
VARBL													
CALM	\bigvee	0.											
	3.2	13.5	64.5	35.5	2.6	9.						100.0	9.8

BRO

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

	NAL	MONTH	50	HOURS (L.S.T.)	
(TROM HOOKE OBSERVATIONS)	73-77	YEARS	ALL WEATHER	CLASS	COMBITION
	PUINTS HAWAIT	STATION NAME			

KNTS) 1.3 DIR.	• • •	7.10	91 . 11	17 - 21	n · n	28 - 33	34 - 40	41 . 47	48 - 55	% AI	2.6	WIND WIND SPEED
1.3	5.8		1.5								12.3	4.0
3.2	14.8	6.9	1.3								25.8	5.9
1.3	5.5	5.8	9.								12.9	6.5
9.	9.										1.3	3.0
	9.		9.								1.3	11.0
	9.	9.		9.							1.9	11.0
9.	1.3	3.2	9.	9.							6.5	8.5
1.3		1.3	1.9								4.5	8.3
	1.3	1.9	1.3								4.5	8.4
	9.2		7.0								4.5	0.6
9.			2.6	1.3							4.5	12.6
9.		1.3									1.9	6.7
	1.9										1.9	4.7
9.	9.	9.									1.9	4.7
\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	X	M	9.	
11.0	38,1	31.6	16.1	2.6							10000	7.2

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0

BARBERS

22514 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22914 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

Ë

SURFACE WINDS

73-77 ALL WEATHER CONDITION BARBERS POINT, HAWAIT

23 HOURS (L.S.T.)

NOW THOM

WIND	7.5	8.0	5.7	5.8	5.9	2.0			11.2	8.3	0.6	12.6	11.6			8.0			6.8
×	1.3	7.7	25.5	32.3	10.3	9.			5.8	3.9	2.6	4.5	3.2			9.		1.9	100.0
% Al																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22.27																		X	
17.21									9.			9.						X	2
91 . 11		1.9	1.9	1.3					5.6		0.	5.6	1.9					X	12.9
7 . 10	1.3	3.2	5.2	1.6	3.9				1.9	3.9	9.	1.3	9.			9.		X	2.3
•		2.6	14.8	15.5	2.5				9.		1.3		0.					X	40.6
::			3.2	5.8	1.3	0.												X	0.11
SPEED (KNTS) DIR.	z	W.	¥	Z	-	ESE	SE	SSE	9	SSW	NS.	WSW	*	WWW	*N	MNN	VARBL	CALM	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, MAWAIT

22514 STATION

YEARS

ALL MEATHER

ALL HOURS (L.S.T.)

MONTH

CONDITION

SPEED (KNTS) DIR.	1:3	*:	7 . 10	11 - 16	17 - 21	n . n	28 - 33	34 . 40	4.4	48 - 55	% %	×	WIND SPEED
z	2.	4.	4.	2.								1.2	6.9
Z	.5	1.9	2.4	1.5	•							4.9	8.3
¥	2.0	11.5	2.5	1.8								17.8	5.
ENE	2.5	11.9	1.1	5.5	~.							24.8	6.7
-	9.	3.4	5.0	9.2	7.							11.7	8.3
ESE	2.		6.	.5								2.3	8.0
35		9.	1.5	1:1		.2						3.5	10.0
388	7.	9.	1.2	.5	-:							5.6	9.6
•	.0.	1.5	3.2	2.3	•							1.1	4.6
SSW	.2	4.	2.7	2.2	4.							0.9	10.1
AS.	.2	1.	1.8	1.2								0.4	8.9
WSW		9.	1.5	2.2	4.							4.1	=
*	.2	.3	1:1	1.9	.2	.2						4.0	11.9
WWW		4.	c.	.5								1.5	8.9
×	2.	4.	• 3	.2								1.1	7.
ANN	-:	.2	?.									4.	5.6
VARBL													
CALM	X	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	9.	
	7.3	35.5	33.0	21.3	1.8	4.						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1239

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

E

SURF			
PERCENTAGE FREQUENCY OF WIND	DIRECTION AND SPEED	(FROM HOURLY OBSERVATIONS)	
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC			

BARBERS POINT, HAWAII STATION NAME ALL WEATHER CLASS COMPITION	FEB	HTHOM	05	HOURS (L.S.T.)	
ALL WEA		YEARS			
BARBERS POINT, HAWAII	73-77		ALL WEATHER	SEVIO	CONDITION
_	BARBERS POINT, MAMAII	STATION NAME			

MEAN WIND SPEED	6.6	8.1	6.3	0.9	6.5		18.0	21.0	14.3		12.0	2.0				2.0			7.0
*	2.1	16.3	25.5	45.6	7.1		٠.	4.	2.8							4.		0.	100.0
% AI																		\bigvee	
48 · 55																		X	
41.4																		X	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	4.
17 . 21								4.										\bigvee	2.1
1 · 16	1.	1.4	2.8	1.4	1.				1.4									X	9.2
7 . 10	1.4	7.1	8.	9.5	2.1													X	28.4
• :		4.9	11.3	30.5	6.3							1.				1.		X	53.9
1.3			3.5	1.4														\bigvee	5.7
SPEED (KNTS) DIR.	z	N.	w	Z.		ESE	35	SSE	s	SSW	SW	WSW	*	WWW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

141

TOTAL NUMBER OF OBSERVATIONS

-

5702 SURFACE WINDS JAN 78

SURFACE WINDS

===

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

SARBERS POINT, HAWALL

22514

YEARS

ALL MEATHER

0.5

F. E.B.

COMBITION

4.6 7.10 11.16 17.21 22.27 28.33 34.40	1.4	1	20,6 13,5 .7	22.0 7.8 1.4				2.1						
34 - 40 41 - 47 48 - 55														
95 A J													X	
MEAN WIND SPEED	2.8 5.3	14.9 8.5	35.5 6.4	34.0 5.8	7.1 7.0		.7 15.0	2.1 13.7	0.8 7.			.7 5.0	1.4	

049

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

YEARS

73-77

BARBERS PUINT, HAMAIT

22514 STATION

NOURS (L.S.T.)

FE B

CONDITION

NNE 3.5 29.1 5.0 2.1 NE 3.5 29.1 5.0 2.8 ENE 2.1 20.6 7.1 3.5 ESE .7 2.1 2.1 .7 .7 SSW SSW WWWW NNW NNW VARBL	17 . 21 22 . 27 28 . 33 34	34 - 40 41 - 47 44	48 - 55 ≥ 56	×	WIND SPEED
3.5 29.1 5.0 2.1 2.1 20.6 7.1 3.5 .7 2.1 2.1 .7 .7 .7 .77				1.4	5.0
3.5 29.1 5.0 2.8 2.1 20.6 7.1 3.5 .7 2.1 2.1 .7 .7 7 7 7				11.3	8.0
7. 2.1 20.6 7.1 3.5				40.4	0.9
7. 1.2 1.2 7.				33.3	9.9
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7				5.1	9.9
7. 1.*					
7. 1.*					
7. 7.	2.			1.4	15.5
				2.8	14.5
					13.0
NAWW				1.4	10.0
VARBL					
CAUM			\bigvee	1.4	
6.4 57.4 20.6 12.8 1.4	1.1			100.0	6.9

=

141

TOTAL NUMBER OF OBSERVATIONS

5.0

MEAN WIND SPEED

28 . 33

. 27

22

17 - 21

11 . 16

7 . 10

. 3

SPEED (KNTS) DIR.

Z Z

.

12.1

8.5

1.4

2.1

3.5

1.4

1.4

5.7 7 . 7 1.4

WSW

SSW

SSE

*

25 as

WWW

*

NN VARBL CALM

¥

3.6

7.1

11.9

14.2

10.0

161

9.3

4.0

141

10.2

100.0

43.3 40.4

12.8

.

SURFACE WINDS

....

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS POINT, HAWALL

YEARS

NOUNS (L.S.T.) FEB

COMDITION

12 48 - 55 41 . 47 34 - 40

2000

9.6

11.3

6.6

9.2 2.8 0.0

2.1 .

0.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

=

SURFACE WINDS

73-77

BARBERS POINT, HAWALL

22514

ALL MEATHER

14

FEB

COMBITION

SPEED (KONTS) DIR.	:	•	7 - 10	11 . 16	17 . 21	$n \cdot n$	28 . 33	34 - 40	41 . 47	48 - 55	*	*	WIND SPEED
z	en inge												1
N.	9900		.7	2.1								3.5	11.6
N.	1000	1.4	2.1	7.8	.7							12.1	7
BNE			7.1	13.5	1.4							22.0	=
		1.	7.1	7.8								15.6	-
1			2.8	2.1								2.0	7
3	1		6.3	5.0	6.							2.6	11
355			3.5	2.8	. 7							7.1	11.
	-		5.0	5.0	. 7							10.6	10
			2.1	4.								3.5	10.
30	-		2.1	1.4								3.5	=
700			1.	1.								1.4	=
3			1.4	2.1								3.5	10.2
MUM			6.	2.1								2.8	11.8
N.													
NNN													
VARBL	mand												
CALLA	X	X	X	X	\setminus	\bigvee	\setminus	\bigvee	\bigvee	\bigvee	\bigvee	0.	
	,	2 8	28.3	63.9	£ . 9							100.0	11

0

199

5702 SURFACE WINDS JAN 78

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAII

YEARS

ALL WEATHER

17 HOURS (L.S.T.)

FEB

CONDITION

NHE 1.4 2.1 1.4 5.0 14.0 NE 1.4 15.6 14.9 2.1 1.4 ES 2.1 2.0 4.3 2.1 2.1 2.1 2.1 2.3 34.0 11.2 SE 2.1 2.1 .7 2.1 .7 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	SPEED (KNTS) DIR.	1.3	4.	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	8	*	MEAN WIND SPEED
1.4 2.1 1.4 4.3 4.3 1.4 1.4 15.6 14.9 2.1 2.1 5.0 4.3 2.1 2.1 .7 2.1 5.0 .7 3.5 1.4444444444	z				1.								.,	13.0
1.4 4.3 4.3 1.4 1.4 15.6 14.9 2.1 2.1 5.0 4.3 2.1 2.1 .7 2.1 2.1 .7 2.1 5.0 2.1 2.1 5.0 2.1 2.1 5.0 2.1 3.5 1.4 3.5 1.4 3.5 45.4 38.3 7.1	Z Z			1.4	2.1	1.4							5.0	14.0
1.4 15.6 14.9 2.1 2.1 5.0 4.3 2.1 2.17 2.1 2.17 2.1 5.07 2.1 5.07 1.4 1.4 1.5 1.4 1.7 3.5 1.4 2.1 2.1 3.5 1.4 3.5 1.4 3.5 1.4	¥			4.3	4.3	1.4							6.6	12.3
2.1 5.0 4.3 .7 2.1 .7 .7 2.8 2.1 .7 .7 2.8 2.1 .7 1.4 1.4 1.4 1.4 .7 3.5 1.4 .7 3.5 2.1 2.1 5.6 .7 3.5 7.4 38.3 7.1	ENE		1.4	15.6	14.9	2.1							34.0	11.2
2.1 2.1 .7 .7 2.1 .7 .7 2.8 2.1 .7 .7 .7 .7 2.8 2.1 .7 .7 .7 .7 2.8 2.1 .7 .7 .7 3.5 1.4 .7 .7 3.5 1.4 .7 .7 3.5 1.4 .7 .7 3.8 3.3 7.1			2.1	5.0	4.3								11.3	4.4
2.1 2.1 .7 2.1 .7 .7 2.8 2.1 .7 .7 .7 .77	ESE			2.1	1.								2.8	10.8
2.1 2.8 2.1 .7 .7 .77	35			.,	2.1	. 7							3.5	13.6
2.1 5.0 1.4 1.4 1.4 1.4 2.1 5.0 2.1 2.1 3.5 1.4 3.5 2.1 3.5 45.4 38.3 7.1	SSE			2.1	1.								3.5	11.0
2.1 5.0 1.4 1.4 .7 3.5 1.4 2.1 8.5 45.4 38.3 7.1			.,	2.8	2.1								6.4	10.8
1.4 1.4 .7 3.5 1.4 2.1 2.1 2.8 8.5 45.4 38.3 7.1	SSW		2.1	2.0									7.1	1.1
3.5 1.4 2.1 2.8 3.5 45.4 38.3 7.1	SW		1.4	1.4									2.8	7.5
8.5 45.4 38.3 7.1	WSW													10.0
8.5 45.4 38.3 7.1	*		1.	3.5	1.4								5.1	9.5
8.5 45.4 38.3 7.1	WWW				2.1								2.1	13.7
8.5 45.4 38.3 7.1	×			.7	8.8								3.5	11.2
8.5 45.4 38.3 7.1	NNN													
8.5 45.4 38.3 7.1	/ARBL													
45.4 38.3 7.1	CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee		
			8.5			7.1							100.0	10.9

9880

=

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

20 NOURS (L.S.T.)

FEB MONTH

CONDITION

41 - 47 48 - 55 ≥ 56 % WIND SPEED	5.0 7.1	14.9 8.6	15.6 7.5	36.2 7.5	8.5 5.8	1.4 3.0	.7 2.0	1.4 12.5	2.1 14.0	1.4 6.0		2.8 7.0	0.9 %	-		.7 8.0		••	1.00.0
28 - 33 34 - 40																		X	
17 - 21 22 - 27									6.										
11 - 16 17	4.			_	••			1.4	۲.										
4.6 7.10	2.8 1.4	3.5 7.8	5.7 6.4	7.0 13.5	4.3 2.1				.,		2.1	1.4		1.4 1.4	.7 2.1			X	7 5 2 2 2 2
6:1		6.		. 7.	1.4	1.4					۲.								
SPEED (KNTS) DIR.	z	N.X.	Z	Z.	-	252 ESE	38	SSE	5	SSW	SW.	WSW	*	WNW	ž	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS PUINT, HAWAII

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

F EB

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

(FROM HOURLY OBSERVATIONS)

23 HOURS (L.S.T.) 73-77 ALL WEATHER COMBITION BARBERS POINT, HAWAII

SPEED (KNTS) DIR.	1.3	*:	7 - 10	91 - 11	17 . 21	22.22	28 - 33	34 . 40	41.47	48 - 55	% %	*	
z			1.	1.4	4.4							2.8	12.3
NN	.7	4.3	8.5	2.8								16.3	
¥		15.6	11.3									27.0	
ENE		25.5	6.6	1.4								38.3	
	1.4	4.3	3.5	2.1								11.3	
ESE													
35													
SSE				1.								•	16.0
s					7.4							2.1	16.0
SSW		.,										•	0.9
SW		1.											
WSW													
*													
WWW													
WW													
NNN													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
	2.8	51.1	34.0	9.2	2.8							100.0	

8.9

MEAN WIND SPEED

12

48 . 55

41 . 47

34 . 40

28 . 33

. 27 22

17 - 21

11 - 16

7 - 10

4.6

1 . 3

SPEED (KNTS) DIR.

-

8 . 4 0.7 8.0 1.0 1.2 1.2 1.3

Z Z Z

0

4 4

*

1:3

1.9

4.

4.

5.

WSW WSW

0

SSW

w

0

SSE

ESE 35

0

w

WWW

*

Ž VARBL CALM

ž

4. œ

.

9.

3.3

14.8

1.0

10.5

3.0

6.1 8.6

9.7 10.5

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL

73-77

WEATHER

ALL HOURS (LS.T.) MONTH FEB

CONDITION

10.9 32.8 10.1 100.0

5800

8.8

=

11.3

8.1

0818181810

8.0

0.9

4.4

TOTAL NUMBER OF OBSERVATIONS

2.5

23.5

35.0

34.8

3.6

1128

4.8

188

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

BARBERS POINT, HAWALL

WIND SPEED

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

9.

9.

1.9

12.9

13.5

9. 0

6.1

N N N

z

0 0 0 0 0

0.7

12.3

12.0

12.5

9. 0

•

WWW

*

¥ ×

WSW WSW

SSW

s

00

38

ESE

-

155

7.2

100.0

1.3

14.2

32.9

46.5

4.5

CALM

VARBL

9.

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS POINT, HAWALL

YEARS

02 NOURS (L.S.T.)

MONTH

CONDITION

1.3 7.7 26.5 48.4 1.9 11.6 9. . 12 48 - 55 41 . 47 34 - 40 28 - 33

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED

22 . 27

17 - 21

11 . 16

7 - 10

4.6

..

SPEED (KNTS) DIR.

9

3.2

3.9

3.6

Z

z

9.7

16.1

9. 1.5

EN EN

ESE SSE

-

2.6

16.1

3.2

6.00

8.

E

388

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER ALL

BARBERS PUINTS HAWAIT

22514 atarios

NOVER (L.S.T.)

MONTH AAR

COMBITION

12.0 16.0 1.3 9. 11.6 0 29.7 100.0 0 12 48 . 55 41 . 47 34 - 40 28 . 33

9.

9.

9. ...

9.

9.

WSW

*

SK

SSW

v

WNW * * VARBL CALM

9.

9.

TOTAL NUMBER OF OBSERVATIONS

1.3

13.5

36.1

45.8

5.6

155

4.

0.4

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

8.8 6.8

0.6

MEAN WIND SPEED

12

48 - 55

. 47 7

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

3.5

4.5

1.3

Z

1.3

11.6

11.0 5.6

3.6

W

. 8 . 8

45.8

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

ALL WEATHER

0.8 HOURS (L.S.T.)

MONTH MAR

COMDITION

•

9. 7

1.9

0 0

WWW

WSW

*

X.

SSW

w

2 2 2

9.

NN. VARBL CALM

ž

9.

100

11.8

3.2

12.5

11.0

0.6

9. 0

2.0

10.0

9.

TOTAL NUMBER OF OBSERVATIONS

3

155

8.0

100.0

1.3

19.4

41.9

30.3

7:7

0

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

)

TOTAL NUMBER OF OBSERVATIONS

Ê

11 HOURS (1.5.T.)

AAR.

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER BARBERS PUINT, HAHALL

22514 STATION

YEARS

CONDITION

MEAN WIND SPEED	0.6	17.0	11.8	12.5	11.6	12.3	8.8	8.3	8.4	10.4	13.0	13.5	0	200	16.3				11.6
*	9.	1.9	0.6	33.5	24.5	4.5	3.9	5.5	5.8	4.5	1.3	2.0	4	•	1.9		-	0.	100.0
۸۱ ۶۶																		\bigvee	
48 . 55																		\bigvee	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 . 27				9.														\bigvee	9.
17 - 21		1.3		3.2	1.3					9.		9.						\bigvee	7.1
91 - 11		9.	5.5	19.4	14.8	3.9	0.		1.9	1.3	1.3	1.3			1.3			X	51.6
7.10	1		3.9	4.6	6.9	0.	2.6	4.5	1.3	6.1		0.		9.	9.			X	32.9
*:	1	1		0.	6.1		9.	0.	1.3	9.								X	5.8
5:-	0		1					1	1.3									X	6.1
SPEED (KNTS) DIR.	1	2 2	7	ENE SAN		558	25	358	8	Was	3	WSW	*	WHW	×	NNW	VARBL	CALM	

0110

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER

73-77

YEARS

14 HOURS (L.S.T.)

MAR

CONDITION

SPEED (KNTS) DIR.

Z Z Z Z Z Z Z Z Z Z Z

MEAN WIND SPEED	0.6	15.5	12.4	13.8	12.4	12.4	13.6	11.3	10.6	8.6	11.8	12.3	10.0	13.2	0.6			12.7
*	1.3	5.6	5.2	38.	10.4	5.2	3.2	4.5	5.8	2.6	3.5	2.6	1.3	3.9	9.		0.	100.0
% AI																	\bigvee	
48 - 55																	\bigvee	
4.4																	\bigvee	
34 . 40																	\bigvee	
28 - 33																	\bigvee	
22 - 27				9.													\bigvee	9.
17 - 21		1.3	9.	3.9	1.3			9.									\bigvee	7.7
11 . 16	9.	9.	5.6	29.7	12.3	3.9	5.6	1.3	5.6	1.3	5.6	1.3	9.	3.8			X	65.2
7.10		9.	1.3	4.5	5.5	1.3	9.	5.6	5.6	9.	9.	1.3	9.	9.	9.		\bigvee	23.2
•			9.		9.				9.	9.							X	2.6
1.3	9.																\bigvee	9.
						Г								Г				

WSW WSW

NWW NNW VARBL

CALM

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWAIT

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

5000

SURFACE WINDS

	MAR	MONTH	17	HOURS (L.S.T.)	
FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL WEATHER	CLASS	CONDITION
ASHEVILLE, NC	BARBERS POINT, HAWAII	STATION NAME			

NHE666666666	SPEED (KNTS) DIR.	1.3	9.7	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	% AI	*	MEAN WIND SPEED
.6 2.6 6.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6	z		9.										9.	0.9
2.6 6.5 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	NNE		0.		9.	9.	9.						5.6	14.8
.6 9.0 34.2 3.9 .6 .6 4.5 5.8 1.3 .6 .6 .6 2.6 .6 .6 2.6 .6 2.6 .6 .6 2.6 .6 1.9 .6 .6 2.6 .6 1.9 .6 .6 2.6 2.6 2.6 .7 7.7 1.3 5.8 25.2 58.7 7.7 1.3	w Z			2.6	6.5	9.							6.4	12.3
.6 .6 .6 .6 .9 .9 .6 .6 .9 .9 .6 .1 .9 .6 .6 .9 .9 .9 .9 .6 .6 .9 .6 .9 .6 .9 .6 .6 .9 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	EN EN		9.	0.6	34.2	3.9	0.						48.4	12.9
.6 .6 .6 .6 .9 .666666			0.	4.5	5.8	1.3							12.3	11.5
1.3 2.6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .	ESE	9.	9.		9.								1.9	6.3
.6 .6 2.6 .6 4.5 4.5 4.5 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	SE			1.3	5.6								3.9	11.5
. 6 . 6 2. 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6	SSE			0.	9.								1.3	10.0
1.3 5.8 25.2 58.7 7.7 1.3		9.	9.	5.6	9.								4.5	7.7
0.6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .	SSW		1.3	1.9	1.3								4.5	9.4
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	SW		9.	9.		9.							3.9	12.0
1.3 5.8 25.2 58.7 7.7 1.3	WSW			9.									9.	10.0
1.3 5.8 25.2 58.7 7.7 1.3	*			1.3	1.3								5.6	10.8
1.3 5.8 25.2 58.7 7.7 1.3	WNW				1.9	9.							5.6	13.8
1.3 5.8 25.2 58.7 7.7 1.3	¥				9.								9.	15.0
1.3 5.8 25.2 58.7 7.7 1.3	NNN													
1.3 5.8 25.2 58.7 7.7 1.3	VARBL													
25.2 58.7 7.7 1.3	CALM	\bigvee	0.											
		1.3	5.8	25.2	-	7.7	1.3						100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

155

1831

DIRNAVOCEANMET SMOS

SURFACE WINDS

3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

NOURS (LS.T.)

MAR

73-77

YEARS

COMBITION

14-3	22 - 27 28 - 33 34 - 40 41 - 47	22 - 27 28 - 33 34 - 40 41 - 47 48 - 55	1.3 4.6 7.10 11.16 17.	3.5	1.9 5.8 3.2	27.1 1		9.	.6 1.3 .6	9.	9.	1.3 1.9	9.	6.1 9. 9.	1.3 .6		
	34.40	34 . 40 41 . 47	17 . 21 22 . 71														
		8															X
8. 55 256 % 11.0 11.0 53.5 6.0 6.0 6.0 6.0 6.0 10.9 11.9			MEAN WIND SPEED	10.01	6	8.4	7.8	2.0	9.5	6.8	0.4	11.6	0.4	5.8	6.3		

2000

100

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

sezi

BARBERS POINT, HAWAIT

SURFACE WINDS

3

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23 HOURS (L.S.T.) A A B 73-77 ALL MEATHER CONDITION BARBERS PUINT, HAWALL

1.3 ·6 2.6 2.6 2.6 5.8 ·6 5.8 10.0 2.6 5.8 6.9 48.4 7.3 2.6 7.9 1.3 1.3 1.3 1.3 1.3 1.4.2 1.3 1.00.0 7.6	7 - 10
0.001	
21.9 48.4 48.4 16.1 11.3 11.3 11.3 11.3 11.3 11.3 11.3	3.2
48.4 116.1 16.1 11.3 11.3 11.3 11.3 11.3 11.	0.6
16.1	20.6
1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	0.6
1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	
1.3 .6 1.3 1.9 1.9 1.9	
1.3	9.
1.9 1	9.
1.9 1	9.
10.3	9.
1.3	
1.3	
•• •• 100•0	1.3
1.3	
1.3	
1.3	
1.3	$\langle \rangle$
	45.8

=

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

1111

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

CONDITION

MEATHER CLASS

ALL

HOURS (L.S.T.) MONTH

MEAN WIND SPEED	5.8	10.0	7.9	4.6	6.6	11.3	10.7	8.6	4.6	4.4	12.2	11.7	8.6	12.4	6.6	3,0			4.6
*	• 5	0.9	17.7	44.8	14.5	1.5	1.5	1.9	3.1	2.3	2.1	6.		1.2		.2		4.	100.0
% Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 . 27		:		.2														\bigvee	.3
17 - 21		9.	2.	1.6	• 5			-	-	. 5				*•				\bigvee	3.6
91 . 11	-:	1.4	3.5	15.1	5.5	1.0	. 7	7.	1.1	9.	1.5	4.	.2	.7	.2			\bigvee	32.3
7 . 10		2.0	6.7	14.7	5.9	.2	9.	1.3	1.0	1.0	. 5	. 3	4.	5.	6.			\bigvee	35.3
• •	.2	1.5	6.9	12.2	2.7			20	9.	·c.	.1				.2	7.		\bigvee	24.8
	.2	.2	0.	1.0	.2	-:	-:		.2				7.			.1		\bigvee	3.1
SPEED (KNTS) DIR.	z	NX.	w Z	ENE		ESE	35	SSE	•	SSW	AS.	WSW	*	WWW	¥	NNW	VARBL	CALM	

3888

SMOS DIRNAVOCEANMET

8111

1240

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWALL

STATION NAME

3224

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BARBERS

1440

SURFACE WINDS

804	новти	02	HOURS (L.S.T.)	
73-77	TAB	ALL HEATHER	51488	CONDITION
PULLA HAWALL	STATION NAME	d		

SPEED (KNTS) DIR.	z	NN	W.	BNE	***	ESE	35	326	S	SSW	SW	WSW	*	WNW	NW	NNN	VARBL	CALM	
		1.3		2.7	1.													\bigvee	. 3
•			7.3	26.7	7.3													\bigvee	
7 . 10		2.7	11,3	18.0	12.7													\bigvee	
11 . 16		2.0	5.0	1.3	1.3													\bigvee	
17 - 21	.7	. 7																\bigvee	
$a \cdot a$																		\bigvee	
28 . 33																		\bigvee	
4 . 4																		\bigvee	
41.40																		\bigvee	
48 . 55																		\bigvee	
8																		\bigvee	
*	1.3	1.9	21.3	48.7	22.0											Tomas Control		0.	
MEAN WIND SPEED	17.0	9.3	7.6	6.2	7.2														*

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

ALL MEATHER

NOVE (L.S.T.)

APR

1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
Į.	
1	
1	
,	
1	
1	
1	
,	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
,	
1	
1	
1	
1	
1	
Į	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	

COMBITION

SEED (KNTS) DIR. NE NE ESE ESE ESE ESE ESE SSEW WSW WWW NAW NAW NAW	1.3	12.0	2.7 11.3 20.7 6.7 6.7	2.0	7.21	n · n	28 . 33	34 . 46	41 - 0	\$ · \$	R AI	26.0 26.0 49.3 16.0	SPEED SPEED 6-0 110-0 10-0 10-0 10-0 10-0 10-0 10-0
VARBL													
CALM	M	M	M	\bigvee	X	M	\bigvee	\bigvee	M	M	M	•	
	3.3	48.7	42.7	3.3	2.0							100.0	6.8

0880

0

150

TOTAL NUMBER OF OBSERVATIONS

0

P

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

E

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

Ē

SURFACE WINDS

73-77 ALL WEATHER

CONDITION

0.8 HOURS (1.5.T.)

APR

WEAN WIND SPEED	0.6	11.3	7.8	8.4	8.8	6.7			15.0	7.0				9.6					8.7
*		10.7	21.3	40.1	22.7	2.0				.2								0.	100.0
%																		\bigvee	
48 - 55													•					\bigvee	
41.0																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 . 22		.,																\bigvee	.7
17 . 21		.7	1.3															\bigvee	2.0
11 . 16		4.7	1.3	8.7	0.9													X	22.0
7 . 10	1.	2.7	11.3	21.3	11.3					.7				.7				X	48.7
:		2.0	4.7	10.0	4.7	1.3												X	22.7
1.3			2.7															X	0.4
SPEED (KNTS) DIR.	z	N.	¥	BNE .		253	35	388	s	SSW	SW	WSW	*	WWW	MW	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

BARBERS POINT, MAWAIT

200

149

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS PUINT, HAWAII

YEARS

11 HOURS (1.5.7.)

APR

COMBITION

SPEED (KNTS) DIR.	1.3	;	7 . 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z													
N.			.7	2.0								2.7	14.0
N.			1.3	0.0	1.3	.7						4.6	14.0
ENE			2.7	18.1	1.3							22.1	13.3
-		1.3	10.1	17.4	.7							56.5	11.2
ESE		1.3	5.4	3.4								1001	9.6
*			0.9	0.4								10.7	6.6
SSE			2.7	2.7								5.4	10.8
		1.3	2.7									4.7	8.6
SSW				1.								1.	15.0
SW			1.3									1.3	0.6
WSW													
*			1.									٠.	9.0
WWW			2.0									2.0	6.3
×													
NNW			1.										10.0
VARBL													
CALM	\bigvee	X	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
		4.7	36.2	55.0	3.4	.,						100.0	11.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION BARBERS POINT, HAWALL

14 HOURS (L.S.T.)

APR.

WIND SPEED	13.0	16.2	13,3	13.4	12.0	10.0	13.0	12.8	12.0	9.7	10.0	10.0	13.0	11.3	10.8	10.0			12.5
×		4.1	1001	24.3	22.3	1.9	1.9	7.4	1.4	2.0	1.4		2.0	2.0	2.7			0.	100.0
95 1																		\bigvee	
48 . 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 22			1.															\bigvee	.,
17 - 21		2.0		2.0	1.			1.4										\bigvee	6.1
91 . 10	7.	5.0	1.4	18.9	13.5	5.0	6.1	4.1	4.7				1.4	1.4	1.4			\bigvee	28.4 64.2
7 . 10			1.4	3.4	8.1	4.1		2.0	2.1	1.4	1.4			.,	1.4	. 7		\bigvee	28.4
*:			1.															X	.7
::																		X	
SPEED (KNTS) DIR.	z	NN	ž	S.	-	ESE	SE	SSE	5	SSW	X.S	WSW	*	WWW	ž	MNN	VARBI	CALM	

DIRNAVOCEANMET SMOS

148

TOTAL NUMBER OF OBSERVATIONS

7

22514 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

NOURS (L.S.T.)

APR HONTH

(KNTS) DIR.	1:3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% %	*	WIND
z				.7								1.	14.0
NNE		.7	.7	1.3		2.0						4.7	16.0
ž			.7	8.7	1.3							10.7	14.5
ENE		2.0	10.1	26.2	2.0							40.3	11.9
		0.4	6.7	12.8								24.2	10.8
ESE			2.0	5.0								0.4	8.6
SE				1.3								1.3	11.0
SSE			1,3	۲.								2.0	10.7
•		1.3	1.3									2.7	6.9
SSW			1.3	.7								2.0	4.4
SW				.7								4.	11.0
WSW	. 7		1.3									2.0	7.3
*			.7									1.	7.0
WNW					1 . 3							1.3	17.0
NN			1.3	1.3								2.7	11.0
NNN													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	X	\bigvee	\bigvee	0.	
	1.3	8.1	27.5	56.4	4.7	2.0						100.0	11.7

0000

149

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS PUINTS HAMAII

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

20 HOURS (1.5.T.)

APR

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 BARBERS PUINT, HAWALL

ALL WEATHER

CONDITION

MEAN WIND SPEED	7.3	12.3	10.1	8.6	7.8	2.0	3.0		0.9	6.1						2.0			8.7
×	2.7	8.7	12.0	0.44	28.0	4.	4.			2.0						4.		0.	10000
8																		\bigvee	
48 - 55																		\bigvee	
41.0																		\bigvee	
34 - 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27		.7																\bigvee	.7
17 - 21		1.3		.7														\bigvee	2.7
91 - 11		3.3	2.7	8.7	2.7													\bigvee	17.3
7 . 10	2.0	2.0	°.8	22.7	15.3					.7								\bigvee	50.7
9:	1.	1.3	^.	11.3	10.0				1.	1.3								\bigvee	26.7
1.3						. 7												\bigvee	2.0
SPEED (KNTS) DIR.	z	NN	w w	ENE		ESE	SE	SSE	s	SSW	SW	WSW	*	WWW	WW	NNN	VARBL	CALM	

314

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWALL

YEARS

23 HOURS (L.S.T.)

APR

CONDITION

ALL WEATHER

SPEED (KNTS) DIR.	-3	•	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% %	*	MEAN WIND SPEED
z		7.		.7								1.3	8.5
N.			3.3	2.7	1.3							7.3	12.3
¥		8.7	12.7	3.3								24.7	7.8
ENE		20.7	16.0	3.3								0.04	7.1
		10.7	14.0									25.3	7.1
ESE													
35													
SSE													
8													5.0
SSW													
SW													
WSW													
*			1.										7.0
WNW													
¥N													
NNN													
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	0.							
		41.3	46.7	10.7	1.3							100.0	7.6

9000

DIRNAVOCEANMET SMOS

988

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL

YEARS

MEATHER

ALL HOURS (LS.T.)

APR

COMDITION

MEAN WIND SPEED	10.2	12.3	9.5	8.7	0.6	3.6	10.7	11.8	9.8	1.6	9.8	8.0	6.6	11.7	10.9	8.3			6.6
×	1.0	4.9	17.0	38.7	23.7	5.9	2.3	1.8	2.2	6.	4.	.3	9.	ac		.3		0.	0.001
35 Al																		\bigvee	
8 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27		*.	.2															\bigvee	•
17 . 21	~	1.0	9.	• •	.2			7.						.2				\bigvee	5.9
11 - 16	.3	2.3	4.2	10.6	6.9	1.0	1.4	6.	8.	٤.	-:		7.	.2	e.			\bigvee	29.4
7 . 10	m.		7.3	14.4	10.6	1.5	8		6.	• 5	.3		.3	4.	.3	2.		\bigvee	40.7
4:4	60	9.	4.3	12.2	5.9	€.	-:		.5	.2								X	24.3
1.3		.2		00	.3	7.	7:						7.					X	2.0
PEED CNTS)	z	NN	¥	ENE		ESE	SE	SSE	s	SSW	NS.	WSW	*	WWW	*	ANA	ARBL	TALM	

1111

DIRNAVOCEANMET SMOS

-

1196

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWALL

22514 FIATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

1111

02 HOURS (1.5.T.)

MONTH MAY

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS ALL

BARBERS POINT, HAMAIT

22514 STATION

SPEED (KNTS) DIR.

E E

z

MEAN WIND SPEED	7.3	6.1	5.6	5.1	19.0	18.0		1.0	1.0		
×	4.5	27.1	47.7	18.1	9.	9.		9.	9.		0
35 Al											X
48 - 55											X
41 - 42											\setminus
34 . 46											\bigvee
28 - 33											\bigvee
22 - 27											X
17 . 21					9.	9.					X
91 - 11		9.									X
7 - 10	3.2		13.5	1.9							X
4.4	9.	15.5	29.0	13,5							X
	9	9	2	9				0	9		1

5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SMOS DIRNAVOCEANMET

0

155

TOTAL NUMBER OF OBSERVATIONS

5.8

100.0

9.

27.1

58.7

WWW

*

ž NNN

SSW WSW WSW

22 22

VARBL

CALM

(3)

SURFACE WINDS

1449

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION BARBERS POINT, HAWAIT

NOURS (LS.T.)

MAY

NN	1	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 . 47	48 - 55	VI 86	*	MEAN WIND SPEED
NNE NE ENE ENE ESE SSE SSE SSE SSE SSE S													
ENE ENE ESE ESE SE	0.	1.3	1.9									3.9	6.3
ENE ESE ESE SSE SSE SSE		18.7	7.1	0.								26.5	5.8
ESE SE SE SSE SSE SSE SSE SSE SSE SSE S	4.5	29.0	14.2	1.3								0.64	5.9
SE SSE SSE	1.9	11.6	4.5									18.1	5.7
SSE SSE		9.										9.	2.0
SSE													
S					9.							9.	20.0
				0.	9.							1,3	15.0
SSW													
SW													
WSW													
*													
WNW													
N.													
MNW													
VARBL													
CALM	V	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
	7.1	61.3	27.7	2.6	1.3							100.0	0.9

0

0

8800

DIRNAVOCEANMET SMOS

D

0

0

155

TOTAL NUMBER OF OBSERVATIONS

0

(M)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

HOURS (LS.T.) MONTH HAY

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

ALL WEATHER

1			
1			
1			
1			
1			
1			
1			
1			
1			
۱			
1			
1			
1			
1	-		
	o		
1			
ı			
١			
Į			
I			
I			

MEAN WIND SPEED		~	7 7.6						.3 16.0									0	
*		4.5	29.	41.3	20.05	2.6			1.									0.	
98 41																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 - 21									9.									X	
91 - 11			4.5	8.4	2.5	9.			9.									X	
7 - 10		2.6	15.5	20.0	1.6	1.												X	
4.6		1.9	8.4	11.0	3.9	9.												X	
1.3			1.3	1.9	1.9													X	
SPEED (KNTS) DIR.	z	NNE	¥	ENE		ESE	35	SSE	s	SSW	SW	WSW	*	WWW	WW	NNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER COMDITION 415

HOURS (L.S.T.)

MAY 11

YEARS

73-77

BARBERS POINT, HAWALL

9.0 11.2 11.2 10.5 10.01 9.5 8.9 9.6 12.7 MEAN WIND SPEED 5.8 13.5 22.6 4 6 0 6 100.0 0 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 00 17 - 21 2.0 3.2 2.6 9.4 9. 40.0 11 - 16 3.5 1.9 11.6 12.9 3.2 5.2 1.3 \$2.9 7 - 10 5.5 0.0 1.3 0,0 1.3 SPEED (KNTS) DIR. N N N WSW WSW WNW NN VARBL SE SE SSW × CALM SSE S *

101

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, MAWAIT

22514 STATION

0

0

YEARS

ALL WEATHER

14 HOURS (L.S.T.)

MONTH MAY

22 - 27

17 - 21

11 . 16

7 - 10

..3

SPEED (KNTS) DIR.

0

0

1.3

19.4

7.1

9.

9.

ENE

ESE SSE

•

9.

0.

Z z

4.5

5.8

8.4 9.

2.6

0.00

12.9 11.0 10.0 10.0 11.4 11.0 10.4 7.5 9.5 13.5 MEAN WIND SPEED 9. 0 100.0 × 12 48 - 55 41 - 47 34 - 40 28 . 33

0

5.6

9.

1.3 2.6 0

9

VARBL

ž

CALM

0.

9.

00

WSW * WW

SW

SSW

8

3.5

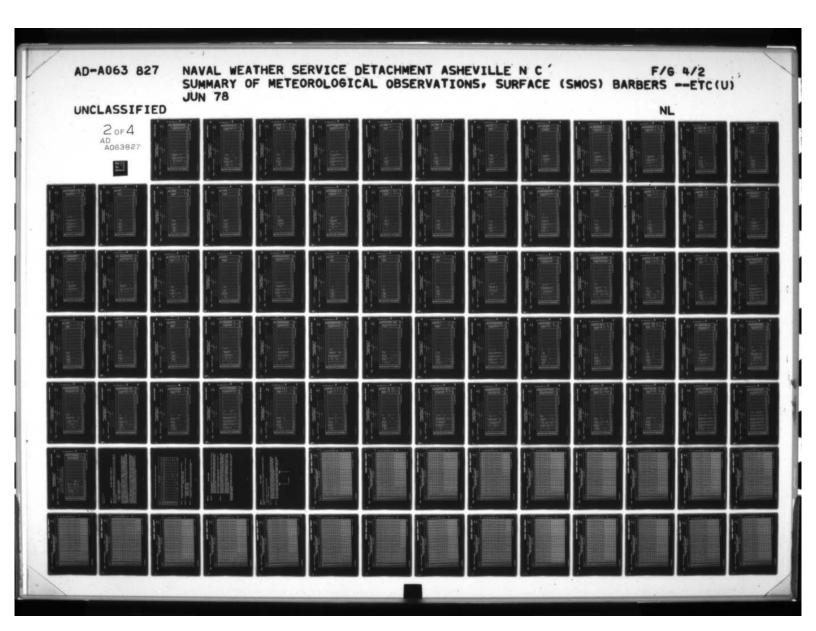
58.1

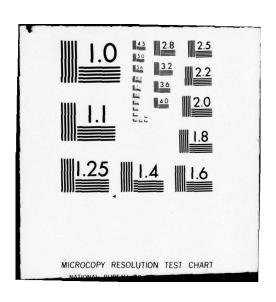
32.3

5.3

0

DIRNAVOCEANMET SMOS





12.0

9.

MEAN WIND SPEED

*

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

9.

5.8 12.9

13.5 12.3

9.

¥ 7 %

9.

1.9

00

SE SE

SSE s

1.3

5.6

0. 9.

9.

.

9.

•

1.9

1.3

WSW

N

₹

¥ Z Z VARBL CALM

ž

.0

1.3

SSW SW

1.3

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAMAIT

STATION NAME

WEATHER

ALL

17 NOURS (L.S.T.)

MAK

11.3

10.9 11.9

8.4 42.6 27.1 3.9 1.3

1410

8.0 8.0 8.0 10.0 5.0

2.6

2.6

9.

6.3

TOTAL NUMBER OF OBSERVATIONS

155

10.6

100.0

9.

50.3

40.0

4.8

9

0.

1111

SMOS DIRNAVOCEANMET

22514 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

20 MAY YEARS 73-77 ALL WEATHER BARBERS POINT, HAWAIT NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

0

0

0

0

WIND WIND SPEED	8.0	0.9	9.9	6.9	7.2	8.0	4.5	0.4	6.8	4.0	12.0		1.0	10.0					6.9
*	1.3	2.6	12,3	47.7	28.4	9.	1.3	9.	2.6	9.	9.		9.	9.				0.	100.0
3 5																		\bigvee	
8 . 8																		X	
0.11							17)											X	
3 . 4																		X	
28 . 23																		\bigvee	
n. n																		X	
17 . 21									9.									X	9.
1 . 16			9.	1.9	9.						9.							X	3.9
7.10	9.	1.3	6.5	53.9	16.1	0.							9.	9.				X	50.3
4.6	9.	1.3	3.2	18.7	10.3		1.3	9.	9.	9.								X	37.4
1.3			1.9	3.2	1.3				1.3									X	7.7
SPEED (KONTS) DIE.	z	MME	N.	2		252	*	355	s	ASS	NS.	WSW	*	WWW	MM	NNW	VARBL	CALM	

=

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

Ē

SURFACE WINDS

BARBERS POINT, HAWALL

73-77

YEARS

ALL WEATHER

23 HOURS (1.5.T.)

MAY ...

COMBITION

SPEED (KNTS) DIR.	:-	;	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	3.18	41 . 47	\$. 55	*	*	WIND SPEED
z		9.										9.	
NN.		3.2		9.								5.8	6.3
¥	9.	1.1	6.5	1.3								15.5	
ENE	7.1	29.0	17.4	9.								24.2	5.9
	1.9	11.6	7.1	9.								21.3	
ESE		9.										9.	
35													
SSE													
s				٥.	9.							1.3	15.5
SSW													
SW													
WSW													
*													
WHW													
NW													
NNW		9.										9.	5.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	0.	
	9.7	52.9	32.9	3.9	9.							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

(FROM HOURLY OBSERVATIONS)

TEARS 73-77 ALL WEATHER CONDITION BARBERS POINT, HAWALL

ALL HOURS (LST.)

MAY

HIRE2 1.1 1.63 7.3 HIRE2 1.1 1.632 HIRE8 6.7 6.0 3.12 HIRE8 6.7 9.02 HIRE8 6.7 9.02 HIRE8 1.2 9.02 HIRE8 1.2 9.02 HIRE9 1.1 1.1 1.1 HIRE9 1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	SPEED (KNTS) DIR.	1.3	;	7.10	11 - 16	17 . 21	2.2	28 · 33	4 . 4	41.4	48 . 55	*	*	MEAN WIND SPEED
7. 5. 1.1 1.6 .3 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	-		2.	-	-:								.3	8.0
2.9 15.0 3.12 2.9 15.0 15.2 9.02 1.2 6.9 9.1 4.71 2.9 2.3 1.11 2.9 2.3 1.11 2.0 2.22 2.0 2.22 2.124 2.124 2.24 2.34 2.412 2.524 2.64 2.74 2.74 2.84 2.9	-	.2	1:1	1.6	.3								3.2	7.3
2.9 15.0 15.2 9.02 1.2 6.9 9.1 4.71 22.0 8 2.2 1.1 2.2 2.2 2.4 2.3 1.1 2.0 2.2 2.5 2.2 2.2 2.6 2.1 2.2 2.2 2.7 2.1 2.2 2.2 2.7 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		00	6.7	0.9	3.1	.2							16.7	7.6
1.2 6.9 9.1 4.7 .1 3.9 8 3.4 2.2 3.2 3.2 3.2 3.3 3.3 3.9 9 3.5 3.6 3.6 3.5 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	#	2.9		15.2	0.6	.2							42.3	7.8
2. 4. 2.3 1.1 2. 6. 6. 7 3. 9. 7 3. 7 11 3. 9. 9. 10 3. 10	_	1.2		4.1	4.7								22.0	8.1
2. 3 2. 3 3. 7 10 10 10 10 10 10 10 10 10 10 10 10 10			5.	2.3	1:1								3.9	6.6
. 3 . 6 5			.2		2.2								3.2	11.6
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			.3		9.	.2							1.9	10.3
1. 2 1		2.	*.	1:1	0.	.5							5.8	10.2
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	*		7.	4.	-:								9.	6.9
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	*		7.	.5	2.									9.5
1. 1. 2. 1. 3. 1. 1. 1. 1. 1. 1. 2. 10. 0 8 9. 0 22.4 1.2 8 9. 0 22.4 1.2	*		7.	4.	*.								0.1	1.6
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		7.	-:	*.									9.	0.1
1 . 1 . 1	2	:		.2	-:								.3	
5.4 31.9 39.0 22.4 1.2	*		-:	-:		7.							2.	10.7
5.4 31.9 39.0 22.4 1.2	3			•									2.	7.5
5.4 31.9 39.0 22.4 1.2	191													
9 39.0 22.4 1.2	3	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
		5.4	31.9			1.2							100.0	8.2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS VIL

BARBERS POINTS HAMAIT

22514 STATION

02 MOURE (1.5.T.)

NO.

COMBITION

(KNTS) 1 - 3	z	2	37	ENE T		ESE	35	SSE	•	SSW	NS.	WSW	*	WWW	*	*	VARBL	CALM	
	-	, ,	24	.3 34	10													$\left\langle \right\rangle$	
•	-	0.3	0.	34.1	10.1		-											$\langle \rangle$	-
7 - 10	4	000	6.7	1.3	5.3													X	-
91 . 11																		\bigvee	-
17 - 21																		\bigvee	
2.2																		\bigvee	-
28 - 33																		\bigvee	
34 - 46																		\bigvee	
41 - 47																		\bigvee	
28 - 35																		\bigvee	
*																		\bigvee	
*			30.7	0.44	17.3	•												0.	
WEAN WIND SPEED	-	2	5.9	5.5	1.0	0.9			8.0										

DIRNAVOCEANMET SMOS

0

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5.6

2.0

100

0480

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

YEARS

HOURS (L.S.T.)

3 05

ALL WEATHER

COMPITION

11 . 16

7 . 10

1.3

SPEED (KNTS) DIR.

2.0

2.7

8.7

30.7 12.0

2.0

Z Z

w

Z

z

10.0 5.8 WIND SPEED 35.3 100.0 0.9 15.3 0 * 12 48 . 55 41 . 47 34 - 40 28 . 33 22 . 27 17 . 21

•

TOTAL NUMBER OF OBSERVATIONS

23.3

10.0

0.4

WWW

*

N. VARBL CALM

ž

WSW WSW

SSW

•

32 22 33

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

8.2

8.0

Z Z Z

4.6

1.3

SPEED (KNTS) DIR.

0.9

- SS

SSE

v

35

WSW

SSW SSW

WNW

*

NY X VARBL MY S

ž

SURFACE WINDS

100

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS PUINT, HAMAIT

ALL WEATHER

NOUNE CLETT

S

COMBITION

	-	-		-	-		-	1		 _	-		-	-	-	_
*		10.7	33,3	28.7	25.3	••										100.0
*															X	
48 - 55																
41.0															\langle	
34 . 46															\langle	
28 - 33																
22.20															X	
17 - 21															X	
11 - 16		1.3	4.0	3.3	5.3				. 7						X	14.7
9.	.7	4.7	1.3	0.9	0.4	.7								1	V	7.3

14.0

DIRNAVOCEANMET SMOS

9

150

TOTAL NUMBER OF OBSERVATIONS

26.0

2.0

8.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

200

11 HOURS (L.S.T.)

NO.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER BARBERS POINT, HAWAII

22514 STATION

COMBITION

SPEED 1 - 3 4 - 6 7 - 10 DIE.	7.	NA.	0.4		1.3	1.		1.		ssw 1 • 3	SW.	wsw	*	WWW	MM	NNW	VARBL	CALM	
11 . 16 17 . 21			6.0	14.7	13.3	3.3	6.0	0.4	.7									X	
a · z																		X	
28 - 33 34 - 40																		$\langle \rangle$	
40 41 - 47																		\bigvee	
4 . 55																			
85 Al			1	2	7	7	1	1				-						V	
* WIND SPEED	0.6 7.		10.01	23.3 11.	25.3 10.	14.0 9.	10.01	10.0 10.3	5.3 9.	1.3 9.5								0.	

E

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

880

150

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

14 1008 (18.7.)

200

COMBITION

11.16 17.21 22. 4.7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .	48	*	31 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
0	 7.21 22.22 28.33 7.0 7.0 7.0 7.0 7.0	17.21 22.22 28.33 34.40 41.47 • 7 • 7 • 7 • 7 • 7 • 7	17.21 22.22 28.33 34.40 41.47 48.55 256 1.07 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

BARBERS POINT, HAWAIT

22514

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS POINT, HAWAIT

22514 STATION

17 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.		;	7 . 10	11 . 16	17 - 21	22 - 22	28 · 33	34 - 40	41.4	48 - 55	% %	×	WIND SPEED
z			. 7										8.0
NX.			.7									1.3	6.5
w Z			3.3	7.3								11.3	11.8
EN EN			13.3	29.3								43.3	11.7
-	1.		12.0	11.3								24.7	10.6
ESE			2.0									2.7	9.3
35			2.0									0.4	9.8
388				1.3								2.0	12.3
•		1.	2.7									0.4	8.3
SSW			1.3	1.3								2.1	6.6
SW			.,									••	7.0
WSW	_												
*			1.3									2.0	6.3
WWW													
NW													
NNN				.7									13.0
VARBL													
CALM	\bigvee	X	\bigvee	X	\bigvee	X	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
	1.3	4.0	40.7	54.0								100.0	10.9

DIRNAVOCEANMET SMOS

2.00.0

5.3 8.7 32.0

1.5

1.3

0.9

0.00

6 - 1

WIND SPEED

*

3

17 - 21

11 . 16

7 . 10

4 . 6

...

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

YEARS

73-77

BARBERS POINT, HAWAIT

22514 NATION

0

COMDITION

20 HOURS (1.5.T.)

S

2.0

20.02

24.1 14.7

....

ESE SSE

0.4

ZZZ

0

0

0

ENE

1.3

TOTAL NUMBER OF OBSERVATIONS

150

7.0

100.0

4.7

48.7

44.7

5.0

NW SARBL

CALM

WWW

WSW

*

NS.

SSW

.

0

DIRNAVOCEANMET SMOS

===

23 HOURS (1.5.T.)

S S

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER BARBERS POINT, HAWAIT

COMDITION

SPEED (KNTS) DIR.	6:-	4.4	7 - 10	91 . 11	17 . 21	22 . 27	28 - 33	34 . 40	4.4	48 - 55	8 Al	*	MEAN WIND SPEED
z													
Z X		2.7	0.0	1.3								10.0	
¥	2.7	8.0	7.3	1.3								19.3	
ENE	4.	26.0	13.3									40.0	
-	1.3	18.7	7.3									27.3	5.9
ESE		1.	1.	1.								2.0	
35													
\$\$E													
•			.1										8.0
SSW													
SW													
WSW													1
*													
WNW													
WW													
MNN													
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee								
	4 7	6 48	2 8 2	3 3								0 000	6.4

2888

DIRNAVOCEANMET SMOS

0

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

H

SURFACE WINDS

YEARS 73-77 ALL MEATHER CONDITION BARBERS POINTS HAWAIT

ALL HOURS (LS.T.)

NOW WELL

WIND SPEED	8.0	7.5	1.6	8.0	8.4	1.6	11.3	11.4	9.6	8.8	8.5		7.3		0.9	13.0			8.3
*	2.	5.1	19.7	37.5	24.0	3.6	3.1	2.2	2.5	œ.	6.9		9.		-:			1.	10000
% Al																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 . 33																		X	
22 - 27																		X	
17 - 21		7.	-	•		7.	~											\bigvee	9.
11 · 16		S.	3.1	0.6	2.1	6.	7.8	7.5		.2	7.		1.			. 1		\bigvee	23.4
7 - 10	.2	2.7	7.8	12.0	9.6	2.5	1.0	1.0	1.6	9.	2.		.3					X	39.1
• • •		1.6	6.3	15.7	8.1	6.	7.	۲.	.2	1.	1.		1.		. 1			\bigvee	34.7
÷:		.2	*		s.	.2							.1					X	2.1
(KNTS) DIR.	z	NNE	7	FE		ESE	SE	SSE	\$	SSW	SW	WSW	*	WWW	N	NNW	VARBL	CALM	

H

DIRNAVOCEANMET SMOS

22514 STATION

=

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

BARBERS POINT, HAWAIT

22514 STATION

02 3

COMBITION

(KNTS) 1 · 3 4 ·	z	T NNE	3.2	3.2	0.	252	*	358	•	SSW	Sw.	MSM	*	WWW	WW	MNW	VARBL	CALLA
*:		6.1	11.6	29.0	1.6													X
7 - 10		3.2	8.4	13.5	10.3													>
11 . 16			9.	3.2	1.3													>
17 . 21																		X
<i>a</i> · <i>a</i>																		X
28 - 33																		X
2 3																		
41.0																		>
\$. 55																		
8 11																		
*		5.2	23.9	0.65	6113													0.
MEAN WIND SPEED		7.5	5.8	6.2	6.8													

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

200

05 moves 0.5.T.

100

73-77 ALL MEATHER

BARBERS PUINT, HAWALL

22514 STATION

0

0

0

YEARS

SPEED 1 · 3 4 · 6 DIR.	z	¥ ×	NE 2.6 16,	1.9	_	252	**	386	8	SSW	*	*	WWW	*	NNN	787	Cell Selection
•		_	80		2.								-		9.		V
7 - 10		2.6	7.7	11.6	8.4	9.											X
11 . 16		9.	9.	1.3	1.3												X
17 . 21																	X
22 . 27																	X
28 - 33																	X
34 - 40																	X
41 - 47																	X
48 - 55																	X
88																	X
*		3.2	27.7	42.6	25.2	9.									9.		0.
MEAN WIND SPEED		9.6	9.0	0.0	9.9	10.01									5.0		

888

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER BARBERS POINT, HAMAII

08

3

SPEED (KOMTS) DIR.	::	;	7.10	11.16	17 - 21	n · n	28 . 33	2.2	41.4	48 - 55	*	×	WIND SPEED
Z													
N.		1.9	5.2	1.9								0.6	8.3
ž		4.5	18.7	3.2								26.5	8.3
Pre	5.6	7.1	14.8	11.0								35.5	8.6
w	9.	2.6	16.8	7.1								27.1	9.1
ES		9.	9.	9.								6.1	6.3
*													
38													
·													
WS8													
NS.													
WSW													
*													
WWW												and the same of th	
WW													
NNW													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	0.							
	2 2	9.	. 73	0 00								0 000	

3110

=

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

MEAN WIND SPEED

22 - 27

17 - 21

11 . 16

7 - 10

4.0

..

SPEED (KNTS) DIR.

12.3

37.4

1.6

11.8

9.7

8.0

9.0

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

YEARS

11 NOVR (1.5.7.)

JUL THOM

1.9

9.7

9. 9.

20.02

3.8

3.2

1.9

•

4.5

3.9

TOTAL NUMBER OF OBSERVATIONS

155

11.5

100.0

3.9

52.9

41.9

1.3

0

SMOS DIRNAVOCEANMET

Z

Z Z

SE SE SSE

w

WNW NN ¥NN VARBL CALM

3

WSW

3K

SSW

s

22514 STATION

BARBERS PUINT, HAWAIT

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2 8 2

14 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER BARBERS POINT, HAWAIT

YEARS

COMBITION

NNE .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	KNTS)	-:3	• • •	7 . 10	11 . 16	17 - 21	n · n	28 - 33	34 . 46	41 . 47	8 . 55	Α,	\$ *
6. 6. 6. 6. 10.3 1.9 9.0 26.5 1.3 6.5 19.4 3.2 2.6 3.2 2.6 1.3 6. 1.3 6. 1.3 7.6 7.6 7.6 7.7 7.7 7.7 7.7 7.8 7.9 7.9 7.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	z	0.										-	9.
1.9 9.0 26.5 1.3 6.5 19.4 1.3 6.5 19.4 3.2 2.6 3.6 1.3 6. 1.9 6. 6. 1.9	KNE	9.		9.								1	1.9
1.9 9.0 26.5 1.3 6.5 19.4 3.2 2.6 5. 1.3 6. 1.9 6. 6. 1.9	w X			0.		5.6							13.5
1.3 6.5 19.4 1 3.2 2.6 5. 1.3 6. 1.9 6. 6. 6	ENE		1.9	0.6		3.2							9.04
3.2 2.6 3.6 1.3 6.0 0.0			1.3	6.5	19.4	1.3							28.4
6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	ESE			3.2	5.6								5.8
9. 9. 9. 9. 9.	35			9.	1.3	9.							2.6
9. 9.	SSE		9.		1.9	9.							3,2
	8			9.	9.								1.3
	SSW												
	SW			9.									9.
	WSW			0.									9.
	*												
NW KBL	WW			9.									9.
NW THE PROPERTY OF THE PROPERT	3												
187	MM												
	1881												
		1.3	3.9	23.2	63.2	8.4							100.0

100

=

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS

73-77

BARBERS POINT, HAWAIT

22514 STATION

ALL WEATHER

17 HOURS (L.S.T.)

JUL

CONDITION

WIND SPEED	3.0	10.0	13.3	11.8	12.2	8.7	12.5			1.0			2.0	6.0		0.6			11.9
*	9.	9.	18.1	2.46	9.02	1.9	1.3			9.			9.	9.		9.		0.	100.0
*																		\bigvee	
48 . 55																		\bigvee	
0.14																		\bigvee	
34 - 46																		\bigvee	
28 . 33																		\bigvee	
2.2				9.														\bigvee	9.
17 . 21			1.3		5.0													X	3.9
91 - 11			14.8	37.4	10.3		9.											X	63.2
7 - 10		9.	1.9	15.5	1.1	6.1	9.			9.				9.		9.		X	29.7
• •					9.								g.					X	1.3
::	9.			9.														X	1.3
SPEED (KONTS) DIR.	z	N.	W.	2		ESE	35	SSE	5	SSW	SW	WSW	*	WNW	WW	NNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

YEARS

ALL WEATHER

20

JUL

NTS)	-3	•	7 - 10	. : 8. :	17 - 21	22 . 27	28 - 33	34 - 40	41.47	48 - 55	8 8	*	MEAN WIND SPEED
z													
N.		9.	1.3									1.9	7.3
w Z		3.8	7.1	9.								11.0	8.2
N.		11.6	35.5	4.5								21.6	8.2
		11.0	18.7	3.5	9.							33.5	0.8
ESE													
35													
SSE	9.											9.	2.0
5													
SW													
SW													
WSW													
*													
¥			9.									9.	7.0
*													
¥													
ARBL													
ALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	9.	
	9.	26.5	63.2	8.4	•6							100.0	8.0

SOWS DIRNAVOCEANMET

23 NOURS (L.S.T.)

100

SURFACE WINDS

9000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS PUINT, HAWALL

22514 STATION

0

ALL WEATHER

73-77

YEARS

CONDITION

SPEED (KNTS) DIR.	z	N.	w	ER		ESE	35	SSE	8	SSW	SW	WSW	*	WNW	3	MNN	VARBL	CALM	-
::			٥.	1.9	9.													X	
•		1.3	0.6	26.5	12.3			0.										\bigvee	
7 - 10		1.9	4.8	20.0	11.0													\bigvee	
11 . 16		9.		5.6	1.3													\bigvee	
17 . 21																		X	
22 - 27			9.															X	,
28 · 33																		\bigvee	
34 . 40																		\bigvee	
4.4																		\bigvee	
48 . 55																		X	
85 Al																		\bigvee	
×		3.9	18.7	51.0	2967			9.										9.	
MEAN WIND SPEED		8.2	6.9	6.1	6.9			4.0											,

SMOS DIRNAVOCEANMET

111

155

TOTAL NUMBER OF OBSERVATIONS

3110

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

BARBERS POINTS HAWAIT

22514

TEARS

ALL HOURS (LS.T.)

100

COMDITION

SPEED (KNTS) DIR.	: ·	* ;	7 . 10	11 - 16	17 . 21	n . n	28 - 33	34 - 40	41.4	8 . 8	8	*	MEAN WIND SPEED
z	.2											.2	2.5
NNE	-:	.7	1.9	3.								3.2	8.2
2	8.	5.6	7.1	4.4	9.	7.						18.6	8.6
BNE BNE	1.3	13.0	16.2	12.7	0.	-						44.0	8.8
	*.	6.5	11.9	8.0	0.							27.4	9.2
585		.2	1.5									5.4	9.7
3			9.	1.0								1.7	12.3
388		.2	.2	1.								1,2	10.5
8			.3	-:								*	9.8
SSW			. 1									•	7.0
NS.			7.									1.	8.0
WSW			.1									-	0.6
*		1.											5.0
WWW			2.									.2	8.3
MW													
NNW		1.	٠,									2.	0.7
VARBL													
CALM	\bigvee	.2											

-

=

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWAIT

ALL MEATHER

73-77

YEARS

02 MOURE (1.5.T.)

AUG

SPEED (KNTS) DIR.

COMBITION

		_	-		_		-	_	_		_		-			7	- 1	
MEAN WIND SPEED	7.3	5.8	5.9	6.1	4.7													0.9
*	7.7	23.2	41.3	25.8	1.9												0.	100.0
% %																	\bigvee	
28 · 35																	\bigvee	
41 - 42																	\bigvee	
34 . 45																	\bigvee	
28 · 33																	\bigvee	
22 . 22																	\bigvee	
17 - 21																	\bigvee	
91 - 16	9.		1.3	9.													\bigvee	2.6
7 . 10	3.2	7.1	11.6	1.1													\bigvee	29.7
•	3.9	14.2	24.5	17.4	1.3												\bigvee	61.3
		1.9	3.9		9.												\bigvee	6.9
	+	-	-	-	-	-	-	-	-	==	-	-	-	==	-	-		

NNW VARBL

CALM

SSW

s

2 2 2

WSW

*

Sk

WNW

=

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

MEAN WIND SPEED

22 . 27

17 - 21

11 . 16

7 . 10

4.6

..

SPEED (KNTS) DIR.

0.1

3.2

2.6

5.6

¥ = 3

z

E

00

8.0

=

155

TOTAL NUMBER OF OBSERVATIONS

28.4

63.9

5.8

5.9

5.8

SURFACE WINDS

1111

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAMAIT

YEARS

ALL WEATHER

0.5 HOURS (1.5.T.)

AUG

COMBITION

5.8 100.0 9 9. 0 12 48 - 55 41 . 47 34 . 40 28 . 33

. 6

9.

NWW K

M

NN.

85W NSW WSW

w

2 2 2

VARBL

CALM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

DIRNAVOCEANMET SMOS

Ē

0.8 HOURS (1.5.T.)

AUG

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAMAIT

ALL WEATHER

COMBITION

z			7 - 10	11 - 16	17 . 21	22 - 27	28 . 33	34 - 40	41.40	48 - 55	8 Al	*	SPEED
N N N N		9.	9.									1.3	8.0
N N N		1.3	6.5	1.9								6.4	8.9
Z = 2		0.6	17.4	5.6								29.0	7.8
m 5		4.8	20.0	5.8								34.2	8.4
878		1.1	14.2	5.6								23.9	8.0
-		0.										9.	2.0
SE													
SSE													
s			0.									9.	7.0
SSW													
SW.			9.									9.	0.6
WSW													
*													
WWW													
WW													
MNN													
VARBL													
CALM	\bigvee	0.											
		27.1	0.09	60.0 12.9								100.0	8.1

DIRNAVOCEANMET SMOS

=

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (LS.T.) AUG YEARS 73-77 ALL WEATHER COMDITION BARBERS POINT, HAWAIT

34 - 40 41 - 47 48 - 55 ≥ 56 % WIND SPEED	.6 7.0	0.6 15.0	12.3 12.2	27.7 11.6	1.11 6.82	8.4 9.5	10,3 11,1	10.3 11.0	_	2,6 9,3		0.6 10.0						••	
22 . 27 28 . 33																		X	
17 . 21				1.3	1.3		9.											\bigvee	
91 . 11		9.	0.6	18.1	11.0	5.6	5.8	6.9		1.3								X	
7 - 10	9.		5.6	7.7	10.3	4.5	3.9	3.9	1.3	9.		9.						X	
•			9.	9.	9.	1.3	,		1.3	9.								X	
::																		X	
SPEED (KNTS) DIR.	z	W.	¥	ENE	-	ESE	SE	SSE		SSW	SW	WSW	*	WWW	WW	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

9000

155

TOTAL NUMBER OF OBSERVATIONS

E

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

184

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

14 HOURS (1.S.T.)

AUG

YEARS

CONDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	×	MEAN WIND SPEED
z													
N.					9.							9.	18.0
Z.			1.9	4.8	1.9							12.3	13.6
ENE			6.7	19.4	2.6							31.6	12.7
		9.	6.5	20.0								1.72	11.6
ESE			1.3	3.5								4.5	12.0
SE			1.3	7.1	1.3							4.6	13.7
SSE			1.3	1.9	0.							3.9	11.3
s			1.3	3.2								4.5	11.4
SSW			1.3	9.								1.9	0.6
SW			1.3	9.								1.9	10.0
WSW			9.									9.	8.0
*			9.									9.	8.0
WNW													
WW		9.										9.	4.0
MNN													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
		1.3	27.1	64.5	7.1							100.0	12.3

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS PUINT, HAWALL

3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

17 HOURS (LS.T.) AUG YEARS 73-77 ALL WEATHER COMBITION BARBERS POINT, HAWALL

22514

0

1.9 14.2			22 - 27 28 - 33	33 34 - 40	41.0	48 - 55	%	*	
		1							
	.3 8.4	1.3						11.0	0
1 8	.2 35.5							51.6	0
I	.4 12.9							21.3	m
1	9.							9.	0
	.6 1.3							1.9	0
1,	9.2 9.							3.9	0
1,	9.							9.	0
	1.3							1.3	-
10	3.2							3.2	2
	9.							•	9
	9.							9.	0
	9.							•	9
	9.							•	9
1	1.9							1.9	0
	$\langle \rangle$		$\langle \rangle$	\bigvee	\bigvee	\bigvee	\bigvee	0.	0
2,6 33,	33.5 62.6	1.3						10000	0

E

=

155

TOTAL NUMBER OF OBSERVATIONS

381

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

22514

0

0

0

0

0

0

0

(FROM HOURLY OBSERVATIONS)

	YEARS			
73-77		ALL MEATHER	CLASS	CONDITION
HAMAII	STATION MAME			
THIDA	•			
BARBERS POINT, HAWAIT				

20

AUG

SPEED (KNTS) DIR.	::	•	7 . 10	11 - 16	17 - 21	n · n	28 - 33	34 . 40	0.11	48 . 55	X Al	*	WIND SPEED
z													
NNE		9.	9.									1.3	6.5
N.		1.3	8.4	1.9								11.6	9.1
ENE	2.6	13.5	28.4	5.2								49.7	1.1
	9.	8.4	20.0	1.9								31.0	7.5
ESE		9.										9.	0.9
*			9.									9.	7.0
SSE													
S		1.9										1.9	2.0
SSW													-
*S		٥.										0.	0.
WSW	0.	0.										1.3	3.5
*													
WNW													
¥													
MNA		9.	9.									1.3	0.0
VARBL													
CALM	X	\bigvee	6.										
	3.9	28.4	58.7	0.6								100.0	7.6

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

STATION NAME

YEARS

ALL WEATHER

23 HOURS (LS.T.)

AUG

COMDITION

SPEED (KNTS) DIR.	<u>:</u>	;	7 - 10	11 . 16	17 - 21	22 . 22	28 . 33	34.46	4.4	48 . 55	% AI	•	٠
z		1.9											1.9
N		3.2	2.0										5.8
Z		8.4		1.9								61	19.4
ENE	2.6	19.4	18.1	3.2								43.2	2
	1.3	14.8	11.6	0.								28.4	4
ESE		1.3										1	1.3
35													
SSE													
s													
SSW													
SW													
WSW													
*													
WWW													
WW													
MNW													
VARBL													
CALM	X	\bigvee	•	• 0									
	2 9	0 67	41.3	ar ar								100.0	0

1

TOTAL NUMBER OF OBSERVATIONS

155

100

DIRNAVOCEANMET SMOS

200

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

BARBERS POINT, HAWAIT

22514 STATION

73-77 ALL WEATHER

ALL HOURS (L.S.T.)

AUG

CONDITION

			ľ	
		d	ſ	
			۱	
		1	۱	
			۱	
			١	
			١	

* WIND SPEED	0.9 0.	0.8 0.4		40.8 8.6	24.8 8.42	1.6 6.5		2.3 11.0		1.6 7.	1.6 8.	.5 7.0	0.8 5.	0.41 1.	.2 7.0	4.7 4.		0.	
% %																		\bigvee	
48 - 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21			5.		• 2		.2	7.										\bigvee	
11 . 16		4.	4.1	11.2	6.3	8.	80.	1.4	.5	.2	.1			. 1.				X	-
7 - 10	2.	2.0	6.9	15.2	10.3	1.		∞.	4.	4.	9.	.3	. 2		7.	. 3		X	
• •	4.	1.5	6.3	12.5	1.1	9.		7.	7.	· i	1.	7.				7.		X	-
1.3			0.	1.4	4.	-:						-:						X	
SPEED (KNTS) DIR.	z	W.	w	ENE		£5£	35	388	50	SSW	SW	WSW	*	WNW	×	MNN	VARBL	CALM	

E

=

1240

TOTAL NUMBER OF OBSERVATIONS

5.0

0

MEAN WIND SPEED

34 - 40

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

-3

(KNTS)

11.3 2.7

> 31.3 12.0

7.07

ESE 38 88

Z Z Z

z

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWAIT

YEARS

73-77

ALL WEATHER

02 HOURS (1.5.T.)

SEP HONTH

COMDITION

32.7 14.1 * 12 48 - 55 41 . 47

150

5.7

100.0

24.7

0.99

0.8

VARBL CALM

SSW

•

WSW

*

S¥.

WWW NA S 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 station

SURFACE WINDS	SEP	MONTH	90	NOURS (L.S.T.)	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL WEATHER	CLASS	CONDITION
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	BARBERS POINT, HAWAIT	STATION NAME			

22514 STATION

SPEED (KNTS) DIR.	Z	N.	¥	E		ESE	SE	SSE	s	SSW	SW	WSW	*	WWW	N.	NNN	VARBL	CALM	
			2.7	2.7	2.0													\bigvee	
• •		1.3	20.7	33.3	7.3													\bigvee	
7 - 10		0.9	12.0	0.8														\bigvee	
11 . 16			1.3		.,													\bigvee	
17 - 21				. 7														\bigvee	
22 · 27																		\bigvee	
28 - 33																		\bigvee	
34 . 46																		\bigvee	
41 . 47																		\bigvee	
48 - 55																		\bigvee	
% Al																		\bigvee	
×		8.0	36.7	44.7	10.0														
MEAN WIND SPEED		7.8	6.1	5.6	5.3														

0

3480

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

0.8 MOURS (1.5.7.)

SEP

CONDITION

8.8 7.6 MEAN WIND SPEED 37.3 13.3 100.0 . 3 0. 2 48 - 55 41 - 47 34 . 40 28 . 33 22 . 27 17 - 21 10.0 2.7 11 . 16 18.0 55.3 6.3 4.1 7 . 10 19.3 32.0 4.6 2.7 1.3 VARBL WWW wsw wsw CALM SPEED (KNTS) DIR. ¥ × × SSW ž 2 2 2 * z 9

E

TOTAL NUMBER OF OBSERVATIONS

150

2

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWAII

MEAN WIND SPEED

8

SPEED (KNTS) DIR.

Z

Z Z

ESE 35 SSE

10.5 11.6

2.0

11.3

6.6 14.0 8.0

11.3 10.5 9119

1.3

2.7

8.8 9.6 11.0

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWAIT

22514

73-77

HOURS (LS.T.)

MONTH SEP

ALL WEATHER

COMBITION

48 - 55												
41.4												
34 - 46												
28 - 33												
22 - 27												
17 . 21				2.0		1.						
11 . 16			4.0	12.0	6.7	4.0	0.9	1.3		1.3		
7 - 10		1.3	2.0	1.9	7.3	1.5	5.3	6.3	0.8	1.3		
4.6				1.3	0.5			1.				
1.3												
	+	-	+	-	-	=	-	-	-	-	-	=

TOTAL NUMBER OF OBSERVATIONS

150

10.9

100.0

45.3

46.7

0.4

WWW

*

WSW

SSW NS.

s

VARBL

CALM

N. N.

×

1106

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWAIT

22514

ALL MEATHER

73-77

14 HOURS (L.S.T.) MONTH SEP

CONDITION

SPEED (KNTS) DIR.	:	:	7 - 10	11 . 16	17 - 21	22 - 22	28 · 33	34 - 40	41 . 47	48 - 55	% Al	*	
z													-
Z				1.3								1.	3
¥			2.0	6.3	1.3							12.	-
EN EN		1.	6.7	8.1	3.3							19.	-
-			5.3	6.3								15.3	-
158			1,3	3.3								•	-
*		1.	3,3	6.6	2.0							15.3	-
388			4.7	5.3								10.	-
		1.	4.7	1.3								9	-
SSW			2.7	1.3								4.	-
SW.			2.0									2.	-
WSW			1.3	2.7								0.4	-
*			1.	1.3								2.0	-
WWW													
WW													
NNN													
VARBL													
CALM	X	X	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	-
	7	2.0	7.45	44.7	0.8							100.0	-

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

COMDITION

NOURS (L.S.T.)

SEP MONTH

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	% Al	*	MEAN WIND SPEED
z		1.3										1.3	0.9
N.												1.3	14.5
Z		1.3	4.0	8.0	2.7	.,						16.7	12.9
ENE			10.7	20.7								32.0	11.5
		1.	8.0	8.7								18.0	10.7
ESE			3.3	6.								0.4	10.3
35				1.								1.3	12.0
SSE		2.	3.3	2.0								0.9	4.6
•		1.	2.7									3.3	4.6
SSW		1.3	2.7									0.4	8.0
NS.		. 7										1.3	0.6
WSW			2.0									2.0	6.9
3			1.	1.								2.0	9.3
WWW				5.0								3.3	10.0
¥			1.3									5.0	7.7
NNN		1.3										1.3	2.0
VARBL													
CALM	\bigvee	X	\bigvee	X	\bigvee	0.							
	7.	10.0	40.0	44.7	4.0	. 7						100.0	10.8
1					1								

=

DIRNAVOCEANMET SMOS

118

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWAII

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

200

SURFACE WINDS

73-77 ALL WEATHER

BARBERS POINT, HAMAIT

YEARS

20

SEP

COMBITION

SPEED (KNTS) DIR.		•	7.10	11 . 16	17.21	n. n	28 - 33	31.40	4.4	48 - 55	*	*	MEAN WIND SPEED
z		1.	.7									1.3	6.5
N.	.7	1.3	6.7	2.7								11.3	8.5
¥		4.7	10.7	2.0								17.3	
ENE		18.7	18.0	2.7								39.3	6.9
	2.0	6.9	10.7									22.0	6.1
188			. 7									1.	7.0
*													
358												1.3	0.4
SSW												1.3	3.0
SW		1.3										2.0	4.3
WSW													
*													8.0
WWW			1.3									2.0	7.0
WW			.7										8.0
NNA													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
	4.7	38.0	50.0	7.3								100.0	7.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 MATTE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

str

ALL MEATHER

23 HOURS (1.5.T.) SEP YEARS

E

SURFACE WINDS

CONDITION

9.0 2.0 3.0 6.1 MEAN WIND SPEED 30.7 -0 10000 . × 12 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 17 - 21 . 11 . 16 5.3 5.5 33.3 7 - 10 31.3 59.3 4.6 1.3 6.7 3.3 • 1.3 WSW WSW WNW * * CALM Z # K SSW VARBL 38 ESE * w •

0

0

100

TOTAL NUMBER OF OBSERVATIONS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

22514 STATION

E

SURFACE WINDS

SEP	MONTH	ALL	HOURS (L.S.T.)	
73-77	TAR	ALL WEATHER	CIASS	COMBITION
BARBERS POINT, HAMAIT	STATION NAME			

• :	7 . 10	91 . 11	17 - 21	22 . 27	28 - 33	34 - 40	41.4	48 ; 55	8	*	WEAN WIND SPEED
	1.	.2								.5	8.2
3.9	6	1.1	-							6.2	8.6
9.7	1	3.7	9.	7.						23.8	8.0
111.		0.9	90							36.5	
5.6	.2	3.5	-							14.9	8.0
-	1.2	1.0	7.							2.3	11.1
1.2	2	2.2								3.8	12.2
2.2	2	1.6	•							5.5	10.4
1.9	6	.2								2.3	8.5
•	00	.3								1.6	7.8
.3	3	7.								•	8.4
	4.									٠.	10.6
	.2	.2								9.	10.1
	.2	~									8.9
	2.									4.	6.8
										.2	5.0
M	$\langle \rangle$	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	.1	
33	33.8	20.7	2.1							100.0	8.2

=

8 . 8

11.6

MEAN WIND SPEED

8

22 - 27

17 - 21

11 - 16

7 - 10

SPEED (KNTS) DIR.

0

Z

1.9

12.9

3.2

3.2

14.8

00

E -

0

0

4.5

5.6

32.9

0.4

0.

000

WINDS SURFACE 0840

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

22514 STATION

0

0

0

YEARS

NOURS (L.S.T.)

DC.T

CONDITION

ALL WEATHER

S
7
ក
O
=
5
•
>
SER
W
S
a d
$\overline{}$
u
ō
u
10.
œ
SER
•
4
=
_
z
733
-
≤
-
n
2

155

6.5

100.0

34.8

54.5

0

N. N.

0

CALM

1

VARBL

*NA

*

0

SSW WSW WSW

s

0

25 SE SE

0

0

10.3

0.11

=

0.9

.

11.0

9

9

9.

WWW

*

WSW WSW

SSW

w

VARBL

CALM

NN S

34.2

54.2

5.0

9.

9.

22 22 23

\$. 8

.

5.6

9

Z

N Z.

1.3

SPEED (KNTS) DIR.

0

1 . 3

MEAN WIND SPEED

3

. 55 4

41 . 47

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

NOUR (LST.)

ALL MEATHER

COMBITION

	2					
	28 - 33					
	$n \cdot n$					
	17 . 21					
	11 . 16		3.9	9.	3.6	
	7 . 10	9.	4.5	16.8	6.1	3 6
	4:4	9.	1.3	12.9	29.7	7
- 1						

TOTAL NUMBER OF OBSERVATIONS

155

6.5

100.0

9.

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

22514 STATION

BARBERS POINT, HAWALL

08 HOURS (1.5.7.)

OC.

YEARS

73-77

BARBERS POINT, HAWAII

STATION NAME

ALL MEATHER

COMBITION

20000

SURFACE WINDS JAN

800

#0#

TOTAL NUMBER OF OBSERVATIONS

Cheen													1
(KNTS)	£ .	*:	7.10	11 - 16	17 - 21	$n \cdot n$	28 - 33	34 . 45	41.0	4 · 55	*	*	SPEC
z													
NN		1.9	1.1	4.5								14.2	6
¥		11.0	22.6	3.9								37.4	
B.E.	0.	1.6	16.8	4.5								31.6	-
		6.9	8.4	1.3								1001	-
ESE			9.									0.	10.
35													
386													
s													
SSW													
SW													
WSW													
*													
WHW													
M													
NNW													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
	9.	29.0	56.1	14.2								100.0	8.
						1							

DIRNAVOCEANMET SMOS

22514 STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

5702 SURFACE WINDS JAN 78

200

SURFACE WINDS

=

HOURS (L.S.T.)

MONTH חכד

YEARS

73-77

BARBERS PUINT, HAWAIT

WEATHER

ALL

CONDITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

11.6 10.0 9.6 11.0 13.2 8.4 8.7 14.5 MEAN WIND SPEED 2 4 4 4 4 4 8.4 30.3 0 3.2 128 . 55 4 41 . 47 34 - 40 28 - 33 22 - 27 1.3 9. • . 21 1 5.8 5.5 12.9 3.2 0 11 . 16 1.9 15.5 3.2 3.9 1.9 6.1 7 . 10 9. 4.6 1.3 WWW SPEED KNTS) SSW WSW WSW Z ENE SSE ž NX X ESE Z

-

Z

0

•

TOTAL NUMBER OF OBSERVATIONS

155

10.9

100.0

3.0

47.7

41.9

1.3

VARBL

*

0

CALM

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

0

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1949

SURFACE WINDS

YEARS 73-77 ALL WEATHER COMDITION BARBERS PUINTS HAWALL

14 HOURS (1.5.T.) -100

z		;	7 - 10	1 . 16	17 - 21	$u \cdot u$	28 · 33	34.26	9.14	48 - 55	% Al	*	WIND SPEED
N N N													
# # w			9.									9.	8.0
Z =		1.3	1.9	7.7	5.6	9.						14.2	13.9
		9.	5.8	14.2	9.							21.3	12.1
-		1.9	1.7	15.5	9.							25.3	11.6
ESE		0.	1.3	3.2								2.2	10.9
35			1.3	4.5	0.	9.						1.1	14.2
SSE			1.3	3.9	9.							2.8	12.4
8		9.	3.5	3.2								7.1	4.4
WS8			5.0	1.3								3.9	10.0
WS.			9.	1.3								1.9	10.7
WSW			9.	1.3								1.9	12.0
*			5.6	•	9.							3.9	10.1
WWW			9.	9.								1,3	10.5
WW													
MNW													
VARBL													
CALM	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.	
		5.5	30.3	57.4	5.8	1.3						100.0	11.9

3888

1988

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

22514 STATION

MEAN WIND SPEED

13.4

1.9 11.0 40.6 25.2 1.3

9.3

2.6

4.0

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWAIT

ALL WEATHER

17 HOURS (L.S.T.)

100

COMDITION

9.

9

Z 2 2

9.7

1.3

SPEED (KNTS)

..

22 22

388 •

100.0 12 48 - 55 1.9 9 5.8 3.5 17 - 21 1.3 25.2 45.8 5.6 • 1.3 11 . 16 14.8 1.9 1.3 1.9 5.6 15.9 1.3 42.6 7 - 10

> 1.9 9.

101

4.0

9.

3.2

12.5 12.5

1.3

=

155

TOTAL NUMBER OF OBSERVATIONS

5.8

0

NN

ž

VARBL CALM

WWW

*

WSW

SSK ×S. 10.9

0.9

9.

0.

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

TOTAL NUMBER OF OBSERVATIONS

E

WIND SURFACE WIND	130	YEARS	50	1) SURON	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77		ALL WEATHER	CIVES	CONDITION
	HAWAII	STATION NAME			
RVICE	POINT	5			
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	BARBERS POINT, HAWALL				

22514 STATION

SPEED (KNTS) DIR.	1.3	9. 1	7 - 10	1 . 16	17 - 21	22 - 27	28 - 33	34 . 46	41.0	48 . 55	% AI	*	MEAN WIND SPEED
z		1.3	1.3	9.								3.2	7.4
W.		1.3	3.9	5.6								7.7	9.6
Z.		5.6	0.6	5.5								16.8	9.5
ENE	1.9	15.5	18.7	7.1								43.2	7.5
		5.6	10.3									18.7	6.7
353	6.1											1.9	2.7
SE		o.										9.	5.0
SSE	9.											9.	3.0
5	9.											9.	3.0
SSW		1.3										1.3	0.9
SW			9.									9.	7.0
WSW													
*		9.	9.									1.3	1.0
WWW			9.									9.	8.0
¥	9.											9.	2.0
NNA		9.	1.3									1.9	7.3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
	5.8	32.3	46.5	15.5								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

Ξ

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER BARBERS PUINTS HAMAII

22514 STATION

23 HOURS (1.5.T.)

2

CONDITION

SPEED (KNTS) DIR.	1.3	•	7 . 10	91 . 11	17 - 21	22 - 27	28 - 33	34 - 40	41.40	48 . 55	%	A CONTRACTOR OF THE PARTY OF TH	*
z			1.3									_	1.3
N.N.	1.3	3.2	1.9	3.2									6.7
Z	9.	11.0	13.5									-	25.2
ENE	1.3	17.4	1.8.7	1.9								-	39.4
	1.3	13.5	6.5	1.9								2	23.2
ESE													
35	9.												9.
356													
s													
SSW												,	
SW													
WSW													
*													
WNW													
WW													
NNN		9.											9.
VARBL													
CALM	\bigvee		0										
	5.2	45.8	41.9	7.1								100.0	0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

28 - 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

..3

SPEED (KNTS) DIR.

8.4 8.5 9.4

10.3 8.1

8.2 9.3

10.8 6.6

10.8

4.9 5.1

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

300

SURFACE WINDS

73-77 ALL

BARBERS POINT, HAWAIT

22514 STATION

10

WEATHER

ALL HOURS (L.S.T.)

TOC T

CONDITION

2.1.2 . . 22.0 100.0 35.3 . 12 48 - 55 41 - 47 34 - 40

-

7. .

1.4

00 1.3

7

SSE

ESE

.

0 10

5.1

12.9

11.8

-

- co in

3.0

1.4

NN

z

ENE

Z

TOTAL NUMBER OF OBSERVATIONS

.2

5.

25.4

41.0

29.0

2.4

:

MAN VARBL CALM

ž

N

*

WSW

*

SSW

w

1240

8.6

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 SEATHER CLASS ALL BARBERS POINT, HAMAII

CONDITION

02 HOURS (1.5.T.)

NOV

8.0 5.6 0. 10.01 10.3 20.0 6.9 0.0 18.0 5.0 MEAN WIND SPEED 34.0 7.0.3 0 100.0 -1. 18 48 - 55 41 . 47 34 - 40 28 - 33 22 . 27 .. 3. . . 1. 17 - 21 8.7 3.3 11 . 16 2.7 . 28.0 13.3 2.7 1.3 ... 7 - 10 1.3 55.3 22.7 4.0 6:1 1.3 WSW WW. N N VARBL CALM SPEED (KNTS) DIR. SSW ZZZ ENE ESE 25 25 SK • -

3880

150

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

22514 STATION

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

NO

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

BARBERS PUINT, HAWAIT

22514

0

NOURS (L.S.T.)

VON.

SPEED (KNTS) DIR.	z	N. N.	¥	ENE		ESE	35	SSE	•	SSW	SW.	WSW	*	WWW	NA	NNW	VARBL	CALM	
1:3			~.	1.3														X	0 7
•		0.4	14.0	24.1	8.0	1.3										. 7		\bigvee	0 22 0 7
7 - 10	1.3	4.0	12.0	13.3	2.0							1.3						\bigvee	24.0
11 . 16		5.0		2.0				2.0										\bigvee	4
17 - 21		٠.																\bigvee	
22 - 27																		\bigvee	2
28 · 33																		\bigvee	
34 - 40																		\bigvee	
41 . 47																		\bigvee	
48 - 55																		\bigvee	
N 36																		\bigvee	
*	2.7	11.3	26.7	41.3	10.0	2.0		2.0	1.3	4.		1.3						•	0 000
MEAN WIND SPEED	6.5	8.4	6.5	6.2	5.8	3.7		13.3	20.5	0.9		8.5				0.9			•

0

0

0

TOTAL NUMBER OF OBSERVATIONS

150

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

BARBERS POINT, HAWAII

22514 STATION

YEARS

NOURS (LS.T.)

NOV

CONDITION

34 · 40 41 · 47 48 · 55 ≥ 56 % WIND SPEED	1.3 6.0		_		13,3 6.6			0.4 18.0	2,7 12,0	1,3 21,0			.7 20.0			0.4 %		• XXX
22 - 27 28 - 33										.7								X
17 . 21 2		1.3								.7			.7					X
91 . 11		3.3	2.7	2.7					1.3									X
7 . 10	1.	4.7	12.0	6.3	4.7				1.3									X
:	1.	3.3	14.0	22.0	7.3											1.		X
.:			1.3	2.7	1.													X
SPEED (KNTS) DIR.	z	N N	¥	EN EN		ESE	3	356	•	SSW	SW	WSW	*	WWW	W	NNW	/ARBL	CALM

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

22514 STATION

0

0

0

0

\$

0

0

0

0

0

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

Ì

SURFACE WINDS

73-77 ALL WEATHER COMBITION BARBERS POINT, HAWAIT

11 HOURS (LS.T.)

NON

12.2 6.6 9.6 10.8 13.8 8.3 12.0 10.2 10.8 10.0 MEAN WIND SPEED 16.0 3.3 2.3 9.3 20.7 18.7 8.0 3.3 2.0 10000 2 48 - 55 41 - 47 34 - 40 28 . 33 1.3 . 22 - 27 0.0 1.3 2.7 1.3 . 17 - 21 25.0 36.0 1.3 . 11 . 16 44.7 2.0 4.0 1000 1.3 1.3 7 - 10 10.7 2.0 1.3 2.7 9.4 1.3 1.3 WSW *× NNW CALM SPEED (KNTS) DIR. ZZZZ SSW EN ESE 28 2 ž XX. 3 . *

1800

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

28 - 33

22 . 27

17 - 21

11 . 16

7 - 10

..

SPEED (KNTS) DIR.

ž

Z Z

ESE

SSE s

...

2.0

8.7.8

2.0 •

> 3.3 6.0

23.00

2.7.3

11.3

12.4 11.8

14.7

10.5

11.9 10.6

WINDS SURFACE 500

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

YEARS

14 HOURS (1.5.T.)

NON MONTH

ALL WEATHER

10.00 100.0 8 48 - 55 41 - 47 34 - 40

0888

8.8

10.

10.1

12.2

TOTAL NUMBER OF OBSERVATIONS

2.0

7.3

51.3

33.3

0.4

2.0

NNW VARBL

CALM

ž

i. .

2.0

2.0

WSW * WW

SW

SSW

150

11.9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

BARBERS POINT, HAWAIT

m m

4.7

16.7 8.7

17 . 21

11 . 16

7.10

1.6

SPEED (KNTS) DIR.

2.0

2.07.2

2.7

5.0

...

2.0

ESE 2 2

3.3 0.4

MEAN WIND SPEED

10.8

6.8

9.3

4.4

10.7

10.0

7.7

6.3

11.4 14.0

11.0

SURFACE WINDS JAN 78

SURFACE WINDS

188

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

BARBERS POINT, HAWAII

22514

17 HOURS (1.5.T.)

NO.

COMBITION

16.0 4.0 2.0 10000 4.7 8 48 . 55 41 . 47 34 . 40 28 . 33 1.3 22 . 22 7.3

TOTAL NUMBER OF OBSERVATIONS

34.0

45.3

6.3

1.3

2.0

WNW

3 32 VARBI 3

WSW

*

SE

35

**

...

1.3

150

10.1

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

20

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

(FROM HOURLY OBSERVATIONS)

ALL WEATHER GASS		ADM .	MONTH	20	HOVES (L.S.T.)	
ALL WEATHER GASS	FIATION LUNE ALL WE		1748			
		73-77		ALL WEATHER	CLASS	CONSTRON

WEAN WIND SPEED	0.6	8.5	8.8	7.1	6.9	4.5	7.7	15.0	14.0	6.8	22.0		5.5	4.0	11.0	7.0			8.1
*	1.	14.7	24.7	26.0	18.0	1.3	2.0	•	4.7	2.7			1.3		.1	1.3	and the same of th	0.	100.0
% Al																		\bigvee	
8 . 8																		\bigvee	
0.11																		\bigvee	
34.46																		\bigvee	
28 . 33																		\bigvee	
a · a											. 7							\bigvee	
17.21		.7	1.3						2.0									X	
11 . 16		2.0	5.3	5.0	5.0			1.							۲.			X	
7 . 10	.7	0.8	10.01	11.3	0.0	. 7	2.0		2.0	2.0			1.			1.		X	0 77
:		2.7	6.7	12.7	10.0					6.				1.		1.		X	21. 7
:		1.3	1.3															X	
SPEED (KOMTS) DIR.	Z	N.	¥	Z	3	23	×	388	•	SSW	NS.	MSM	*	WHW	ž	NHW	YARR	CALM	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

BARBERS

22514

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AON	ROBER	23	HOVES (L.S.T.)	
73-77	12.88	ALL WEATHER	ciuss	COMBITION
PUINT, HAWAII	STATION NAME			

MEAN WIND SPEED	7.5	10.3	8.9	6.7	9.9	2.0	11.0	13.0	14.7	15.0	20.0	4.0				7.0			7.4
×	2.1	0.8	29.3	36.0	16.7				2.0	1.3	1.					1.		0.	100.0
%																		\bigvee	
48 - 55																		X	
41 . 47																		\bigvee	
3 8																		\bigvee	
28 · 33																		\bigvee	
$n \cdot n$																		X	
17 . 21		. 3							4.		1.							X	3.3
11 . 16	1.	2.7	2.7	2.7	2.0			۲.	1.3	1.								X	14.0
7 . 10	.7	3.3	8.7	15.3	4.7											1.		X	33.3
• •	. 7	1.3	16.0	15.3	6.1													X	42.7
1:3			1.3	2.7	1.3													X	6.7
SPEED (KNTS) DIR.	z	NN	¥	Z.		555	33	356	s	SSW	SW	MSM	*	WWW	¥	NNN	VARBL	CALM	

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION BARBERS POINT, HAMAIT

ALL HOURS (L.S.T.)

NO.

SPEED (KNTS) DIR.	::	•	7 - 10	11 . 16	17.21	22 - 27	28 - 33	34 . 46	41.4	48 . 55	% AI	*	MEAN WIND SPEED
z	2.	.3	.5	2.								1.4	8.2
Z Z	9.	1.7	3.1	2.2	. 7	2.						5.8	4.4
Ne.	1.	6.0	1.1	3.9	80	.1						21.7	8.2
E	1:1	12.5	11.5	2.5								31.6	8.0
	7.	2.1	5.1	3.0								15.0	8.4
585	.3	1.	1.2	1:1	•							3.4	80
35		2.	1.3	4.1								3.4	10.4
386	-:	.3	7.1	1.2								3.1	10.4
•	2.	9.	1.00	1.7	0.	7.						2.0	10.9
SSW	. 1	.2	1.2	2.		.2						2.2	10.8
SW		.2	1.0	7.	1.	7.						1.6	10.3
WSW		.2	5.	-:		1.						ex:	10.4
*		4.	4.	4.	~							1.4	10.2
WWW		7.	2.	7.	2.							•	11.8
MW				.2	7.							. 3	14.8
NNW		2.	• 2									••	6.2
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
	3.7	32.3	36.9	21.7	10.4	8.						10000	8.8

=

DIRNAVOCEANMET SMOS

5

1200

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

33.9

MEAN WIND SPEED

12

48 - 55

0.0

3.0

0.

13.0

2.6

1948

8.0

9.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS PUINT, HAWAII

WEATHER CLASS

ALL

02 mount (1.5.T.) DEC

CONDITION

34 - 40	
28 - 33	
22 - 27	

7 - 10

4.0

-3

SPEED (KNTS) DIR.

41 . 47										
34 - 40										
28 - 33										
22 - 22										
17 . 21						9.				
11 . 16	1.3	2.6	9.	1.3		1.3				

0

0

SSW

s

3×

SSE

ESE

.

WNW

*

WSW

VARBL

CALM

₹ N

ž

11.0

21.9

W.Z

14.2

27.7

ENE

ž

TOTAL NUMBER OF OBSERVATIONS

155

9.0

10000

9.

7.1

32.3

55.5

3.9

.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

9889

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

2

0.5 HOURS (1.5.T.)

DEC

SURFACE WINDS

73-77 ALL WEATHER BARBERS POINT, HAMAIT

22514

COMBITION

STED (KNTS)		:	7 . 10	91 - 11	17.21	12 - 17	28 - 33	34.40	41.47	48 - 55	8	*	MEAN WIND SPEED
z	0.	1.9	9.									3.2	4.6
Z		5.6	1.9	3.9								8.4	9.8
w Z	1.9	19.4	4.1	1.3								32.3	9.9
S.E.	3.9	23.2	4.7									36.8	5.7
-	1.3	1.1	3.2	1.3								12.9	9
ESE				0.								9.	12.0
3													
SSE													
•			1.3	1.3	1.3							3.9	14.0
SSW													
SW													
WSW				9.								9.	16.0
*													
WWW													
XX		0.		9.								1.3	8.5
MNN													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	0.	
	7.7	54.8	26.5	9.7	677							100.0	6.7

DIRNA VOCEANMET SMOS

5.8

3.5

7.3

MEAN WIND SPEED

I

20.0

9. 5.6

15.5

18.0

4.0

1.3

8.0

1.3 0. -

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINTS HAWAIT

ALL WEATHER

YEARS

08 HOURS (1.5.T.) MONTH DEC

COMBITION

SPEED (KNTS) DIR.

ESE 22 23

w

			~	4	•		2						100
N 26												\bigvee	
48 - 55												\bigvee	
41 - 47												\bigvee	
34 - 40												\bigvee	
28 - 33												\bigvee	
22 - 27												\bigvee	
17 - 21		9.				9.	6.1		9•			\bigvee	3.9
11 . 16		1.3	1.3	1.9				9.				X	5.2
7 - 10	1.9	3.2	1.1	11.6	5.6		••			0.		X	28.4
9.4	1.9	1.3	22.6	25.2	3.6							\bigvee	56.1
1.3	T		1.9	1.9	1.3			0.		9.		X	6.9

SSW WSW WSW

s

TOTAL NUMBER OF OBSERVATIONS

155

6.8

0.0

0

VARBL

CALM

WWW N X

*

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

11.6

6.6

1.3

8.0

MEAN WIND SPEED

28 . 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

1.9 9.

13.6

9.1

6.5

9. 9.

.

3 2 3

2.6 1.9

3.9 8.4 5.6 9

3.2 9. 0.

1.3

1.9

1.00 5.8

Z

z

Z

¥

2.6

12.0 0.9

15.0

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWAIT

73-77

ALL WEATHER

11 NOURE (L.S.T.)

DEC

CONDITION

3.9 9.6 0 9. 24.0 0 2.6 9.1 12 48 . 55 41 . 47 34 - 40

6.1

1.9

00:

WSW

38

SSW

8

WWW

*

ž

NNN VARBL ************

9.

8.8

8.2

15.2

8.2

TOTAL NUMBER OF OBSERVATIONS

154

10.3

100.0

5.0

42.2

33.8

16.9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

14 HOURS (1.5.T.) DEC 73-77 WEATHER ALL BARBERS POINT, HAMAII

22514 STATION

0

0

0

0

0

0

MEAN WIND SPEED	14.0	12.0	13.6	12.7	9.6	10.6	11.0	10.8	4.6	6.6	0.8	7.5	12.7	13.7					11.3
×	9.	3.2	10.3	21.3	4.6	4.5	6.4	10.3	14.2	5.2	9.	2.6	3.9	3.9				0.	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 . 27			9.											9.				\bigvee	1.3
17 - 21		9.	1.9	1.9			9.		0.									\bigvee	5.8
11 - 16	9.	1.3	5.5	14.8	3.9	6.7	3.2	6.9	1.3	9.			3.8	5.6				\bigvee	45.2
7.10		9.	1.9	4.5	5.5	2.6	3.9	3.2	11.0	3.9	9.	1.9	9.	9.				\bigvee	9.0%
9:-		9.	9.				1.9	9.	1.3	9.		9.						X	6.5
1.3					9.													X	9.
SPEED (KNTS) DIR.	z	S N	¥	FE	-	ESE	35	SSE	•	SSW	AS.	WSW	*	WWW	¥	NNN	VARBL	CALM	

1111

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

12.8

0.6

8.5 11.6 8.1 7.0 1.6 2.5 8.0 4.6 11.0 10.2

11.1

16.7

MEAN WIND SPEED

*

12

48 - 55

41 . 47

34 - 40

28 . 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

0

0

0

5.6 1.3

5.2

12.3

2.0

W.

¥ Z

0

9.

3.9

3.2

0.6

1.9

9.

ESE

22 22

1.3

.

DEC

==

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

NOURS (LS.T.)

73-77

BARBERS POINT, HAWAIT

22514 STATION

0

0

STATION NAME

ALL WEATHER

CONDITION

28.4 3.9 10000 9

•

0.

1.9

2.6

9.

•

SSW

S¥

3.9

0

ø

9.

9.

9.

1.9

3.9

WWW

*

ž

WSW

VARBL CALM

9. 00

1.9

7.1

29.7

44.5

17.4

1.3

TOTAL NUMBER OF OBSERVATIONS

155

10.1

0.

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NOURS (L.S.T.)

DEC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 BARBERS POINT, HAWAIT

ALL WEATHER

WIND SPEED	1.6	8.2	9.9	6.5	2.6	3.0		12.7	8.3		6.7		5.0	8.0	8.0	5.5			6.8
*	3.2	16.1	16.1	43.2	0.6	1.9		1.9	1.9		1.9		9.	9.	1.3	1.3		9.	100.0
95 AI																		\bigvee	
8 . 55																		\bigvee	
41 . 0																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
n · n																		\bigvee	
17 . 21								9.										\bigvee	9.
11 . 16	9.	3.2	9.	1.9					9.									\bigvee	7.1
7 - 10	9.	8.4	5.2	17.4	5.0			1.3	0.		1.3			9.	1.3	9.		\bigvee	40.0
• •	1.9	3.2	6.7	20.0	4.5	9.			9.							9.		\bigvee	41.3
1.3		1.3	9.	3.0	1.9	. 3					9.		9.					\bigvee	10.3
SPEED (KNTS) DIR.	z	N.	an a	ENE		ESE	38	SSE	\$	SSW	SW	MSM	*	WNW	AN	NNN	VARBL	CALM	

22514 STATION

9.

z

0

2.6 0.

X X X

4.6

1.3

SPEED (KNTS) DIR.

888

155

SURFACE WINDS

0000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

BARBERS POINT, HAWAIT

22514 STATION

YEARS

23 HOURS (LS.T.)

DEC

CONDITION

12.0 8.0 5.4 18.0 8.5 10.0 6.0 6.8 : 14.0 MEAN WIND SPEED 9. 1.3 9. 21.3 0 2.6 12.3 1.9 100.0 9.1 * 12 48 . 55 41 . 47 34 - 40 28 - 33 22 - 27 0 9. 17 - 21 0. 0. 3.5 9. 9. 9. 4.8 11 . 16 7.7 37.4 9 6.9 7 - 10 6. 31.0 0.65 1.9

.

WNW

*

SSW WSW WSW

•

SS SS SS

-

9.

NN. VARBL CALM

Ž

4.5

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

BUNGO

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77 BARBERS POINT, HAWALL

22514 STATION

ALL WEATHER

ALL HOURS (L.S.T.)

DEC

COMDITION

WEAN WIND SPEED	8.4	4.6	7.4	7.5	7.8	8.3	10.0	6.6	6.6	10.2	4.9	8.4	10.8	12.2		6.1			8.2
*	2.7	7.3	50.02	35.8	11.5	2.3	3.1	3.6	4.8	1.9	9.	6.	1.4	1.2	1.0	9.		2.	100.0
& Al																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 . 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27			-											-				X	.2
17 - 21	.2		9.	9.	7.		• 2	.2	9.	.2			2.					X	3.2
91 . 18	4.	2.0	3.0	5.8	5.4		6.	1:1	1.	4.		.2	c.	30.	.2	7.		X	19.3
7 . 10	1.0	3.1	2.0	111.1	4.4	9.	1.3	2.1	2.7	æ	4.		9.	• 2	·	.2		X	35.4
• •	-:	1.5	11.1	16.5	3.4	9.	1.	2.	8	3.	-:	7.	7.	-:	.2	.2		X	37.2
. 3	-:	€.	9.	1.7	0.1	.2	-:		7.		.2	-:	-:		7.	7.		X	4.5
SPEED (KNTS) DIR.	z	NNE	¥	EN.	-	ESE	35	SSE	•	SSW	AS.	WSW	*	WNW	××	NN.	VARBL	CALM	

4.6

11.2

10.4 6.6 9.5 4.6 10.4

4.4 1.6 8.2

MEAN WIND SPEED

8:0

22 - 27

17 - 21

11 - 16

7 - 10

4.6

1 . 3

SPEED (KNTS) DIR.

-00

4. 9. NO -• . 2 -0 •

3.5

2.7

ZZZ

ENE

ESE

w

25

0.0

1.5

12.7

SURFACE WINDS

ALL HOURS (L.S.T.)

ALL

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

BARBERS POINT, HAWAIT

73-77

ALL WEATHER

YEARS

CONDITION

1.8.5 1.0 0.1 100.0 1.1 . . 128 . 55 # 41 . 47 34 - 40

0

0 0

0

0.1

1.4

1.0 1.1 1.5

0.

SSE

s

0

4.

00

WSW

SSW

SK

4.

WWW

*

NN.

ž

VARBL

9.

00

1956

10.6 6.8 9.9

10.1

TOTAL NUMBER OF OBSERVATIONS

~

2.3

24.6

37.8

31.2

3.6

CALM

14602

8.6

101

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22514 STATION

TOTAL NUMBER OF OBSERVATIONS

MOURS (1.5.T.)

ALL

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, MAWAII

22514

CIG 200 TO 1400 FT W/VSBY 1/2 MI UR HURE,

INSTRUMENT

AND/UR VSRY 1/2 TO 2-1/2 MI W/CIG 200 FT DR MORE

1.3 4.6 7.10 11.16 17.21 22.27 28	2.6 2.6	2.6 2.6	7.7 2.6	5.1 5.1 2.6	7.6	2.6 2.6	2,0 2.6	2.6 7.7	5.1 2.6 10.3	2.0	5.1 7.7	2.6 2.6	2.6			2.0
28 - 33 34 - 40														T		
41.49																
48 · 55 · 17																
\$ 95 AI	5.1	5.1	10.3	12.8	2.6	5.1	5.1	10.3	17.9	2.6	12.8	5.1	2.6			2.6
MEAN WIND SPEED	11.0	10.5	5.3	8.4	4.0	3.0	10.5	17.0	15.6	20.0	4.6	11.0	20.0		The state of the state of the state of	8.0

RT D

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- . Annual all years and all hours combined
- 2. By month all years and all hours combined
 - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visiferring to totals in the extreme right hand column. Also, visibility may be determined independently by bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

		_	_							
	0 1	1)	95.6				98.1		100.0
	7 <	($\left\langle \right\rangle$							
	≥ 5/16	7	/- \							
	٧ ا		\rangle							
	%)	>							
	% Al		5							
(S3)	1 1		5					7.65		98.3
VISIBILITY (STATUTE MILES)	712)()							
BILITY (ST	≥ 1%	5	/- \							
VISI	8	(/- \							6.96
	> 21/2	3	(-							
	ار ال	4		91.0						95.4
	4 1	(
	2 5		5							
	9 11	3								
	N 2		7							
CEILING	(FEET)	NO CEILING		≥ 1800 ≥ 1500	≥ 1200 ≥ 1000	0 08 0 08	VI VI 0 00 0 00	VI VI	N N	VI VI 0 0

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%.

EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%. EXAMPLE # 3

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given In the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile. The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "celling >

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when summary will, of course, be limited to period of available data. NOTE: # 1:
- Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below: # 2:

TIGNTHS	010	n≄ rv.	~ ~ ~	9
				opscared)
OKTAS	010	n ma	~o~	(or

HOURS (CS.T.)

CEILING VERSUS VISIBILITY

BARBERS POINT, HAWAIT

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

Marchine 65:2 65:8 65:8 65:8 65:8 65:8 65:8 65:8 65:8	CEILING					100		VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
CHINNO 65.2 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	(FEET)			8							- AI	100000	and the same				
10000 61.4 62.4 68.4	NO CEILING	63.	65.8	•							1222			65.8	500		
10000 68.4 69.0			000	400			0	3			400	• 0		48 4			_
1000 69.0 69.7		- 00								. 0	•		69.0	69			60
10000 70.3 71.0		0	7.69	69.7		6	6	6	3	6	6	6	69.7	69.7		6	69.7
1000 70.3 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0		0	71.0	71.0	-	-	-		71.0	:	-	-	-	71.0		1:	71.0
71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6		0	71.0	71.	-	71.0		-		1.	71.0	-	71.0	71.0	•		71.0
71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		-	71.6	7:	-	71.0		-	-	-	71.6	-	71.6	71.6	71.6		71.6
71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		-	72.3	72.3	72.3	•	72.3	3		2		3	72.3	72.3		72.3	72.3
2500 71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		-	72.3	72.3	72.3		72.3	72.3					72.3	72.3		72.3	72.3
2500 45.2 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5		-	72.3	72.3	72.3	72.3	72.3	72.3	72.3			72.3	72.3	72.3			72.3
4500 65.2 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5		-	72.3	72.3	72.3	72.3		72.3	72.3		•	72.3	72.3	72.3	2	72.3	72.3
2500 89.0 90.3 90.3 90.3 90.3 90.3 90.3 90.3 9		100	86.5	86.	. 9	.0	. 9		86.5	•	. 9	86.5			9		86.5
3500 89.0 90.3 90.3 90.3 90.3 90.3 90.3 90.3 9		0	800	90.	0	0	0	90.3	90.3		0	90.3			ò	90.3	90.3
3000 89.0 90.3 90.3 90.3 90.3 90.3 90.3 90.3 9	1	0	8.06	800		0	0	90.3	90.3		0	90.3	0		0	90.3	90.3
2500 93.6 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8			800	6.06		0	0	90.3	90.3		0	90.3			0	8.06	90.3
2000 94.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96		2	8.46	. 46	84.8	*	4		94.8		. 4		8 . 76				
96.8100.0100.0100.0100.0100.0100.0100.010			96.8	96	;	;					;			96.8	•		96.8
96.8100.0100.0100.0100.0100.0100.0100.010	1	.0	4.66	66		6		0	4.66		.66	4.66		4.66		4.66	4.66
96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	.00				. •	100.0		100.			100.0	0	0	100.0
96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	.00	0	.00	100.0		100.0		100.			100.0	0	0.0	0
96.8100.0100.0100.0100.0100.0100.0100.010		0	100.0	00.00	00.00	0	100.0		100.0		100.	0.0	•	100.0	0	0	100.0
 96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	00	100.00		100.0				100.	0.0	0	100.0	0	0.0	100.0
700 96.8100.0100.0100.0100.0100.0100.0100.010		0	100.0	00.00	100.00	0	100.0		100.0		100.	0.0	0.0	8	0		100.0
 96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	00	·	0.00	0	0		0	0	0.0	0.0	00	0	0	100.0
96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	00	100.00	0.0	0	0	100.0		0	0	0		0	•	100.0
96.8100.0100.0100.0100.0100.0100.0100.010		0	100.0	.00	10000										0	_	100.0
200 96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	10001		0		10000	100.0	0	0	0	0	100.0	0	100.0	
200 96.8100.0100.0100.0100.0100.0100.0100.010		0	100.0	10001	100.00			100.0				100.0	10001	100.0	100.0	10000	10000
" 96.8100.0100.0100.0100.0100.0100.0100.010		0	100.0	10001	1000	100.0		100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
96.8100.0100.0100.0100.0100.0100.0100.010		9	100.0	10001	10000	10001	100.0	10001	100.0	0	10001		100.0	100.0	1000	10000	100.0
		0	100.0	100.0		100.0		100.0	100.0				100.0		100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

0

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

BARBERS POINT, HAWALL

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS)

72.9 76.1 1 910 9116 12.9 72.9 76.1 1 A 91.6 91.6 4.66 91.6 4.66 76.1 87.7 2 5/16 4.66 91.6 91.6 91.6 96.8 76.1 4.66 4.66 2 AI 91.6 63.2 76.1 91.6 8.96 72.9 * 91.6 91.6 71.6 91.6 4.66 72.9 4.66 4.66 ٨١ 91.6 <u>-</u> VISIBILITY (STATUTE MILES) 91.6 65.2 91.6 91.6 71.6 4.66 72.9 72.9 96.8 98.7 99.4 99.4 99.4 99.4 99.4 72.3 72.9 76.1 87.7 67.7 71 7 11.6 91.6 91.6 72.9 87.7 17 Al 91.6 65.2 6.2 72.9 87.7 91.6 91.6 8.96 1.6 5.0 76.1 7 91.6 91.6 91.6 91.6 8.96 87.7 63.2 2 2% 72.9 91.6 91.6 91.6 91.6 8.96 76.1 87.7 ۸I 72.9 72.9 91.6 91.6 91.6 87.7 96.1 Al 91.6 1.96 7.86 4.66 4.66 87.7 4.66 AI 9116 91.6 72.3 87.7 91.6 65.2 9.1/ 7.86 96.1 4.66 99.4 98.7 99. 1.66 99. 66 66 Al 72.9 91.6 11.6 91.6 12.9 87.7 96.1 98.7 98.7 98.7 98.7 76.1 98.7 98.7 98.7 98.7 98. 98. 98. 98. 69.7 98. 98. NO CEILING 80 CEILING (FEET) VI VI 0008 0008 0008 V 1V 12000 VI VI 000 000 000 000 2000 4500 2000 88 × 20000 8000 7000 3500 1800 88 88 88 88

AI AI

AI AI

ALAI

ALAI

AI AI

AI AI

AI AI

ALAI

ALAI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

155

AI AI

CEILING VERSUS VISIBILITY

			STATION NAM	PERCE	PERCENTAGE ERFOLIFNCY	FPE	I CA			OF OCCUPATION	1				HOM C	. a
) EKCE	(FROM	HOURLY	IY OB		OBSERVATIONS	S) CE					HOURS (LS.T	2.1
CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	01 1	9 Al	\$° AI	4	e Al	≥ 2%	7	¥1 Y	¥1 Y	- AI	% Al	*	% Al	≥ 5/16	% AI	٨١
NO CEILING	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
V 18000	63	63.2	d .		63.2		63.2	-	6	4 .	63.2	63.2	63.2	63.2	63.2	63.2
16000	63.2	63.2			63.2	63.2	63.2	63.2		6	63.2	63.2	63.2			63.2
≥ 14000	63.9	64.5	64.5		64.5		3		64.5		64.5	;	64.3		64.5	64.5
	65.2	65.8			65.8	5	65.8	65.8	65.8	3	65.8	65.8	•		65.8	65.8
V 10000	67.7	68.4	68.4				8			8	68.4	4.89			68.4	4.89
000 ₹	67.7	68.4	68.4			68.4	68.4		•	68.	68.4			68.4	68.4	68.4
	68.4	69.0			6			6		.69	0.69	6			69.0	69.0
7000	68.4	69.0	69.0		6					.69	6	6		69.0	69.0	69.0
	68.4	69.0		0.69	0.69	69.0	0.69	69.0	0.69			0.69	69.0	0.69	69.0	69.0
2000	69.0	59.7		•			69.7			69		4.4	6	69.7	6	69.7
	80.7	81.9	81.9		-		:	-		81.	1	1.9	1.	81.9	81.9	
4000	86.5	87.7			87.7		87.7			80	87.7	7.7	7.			87.7
	87.7	89.0			89.0		.6	6	89.0	89.	89.0		6		89.0	89.0
3000	89.0	91.0			-		91.0	91.0	•	91.	-	1.0	1.	•		91.0
	92.3	94.2	94.2	•		84.2	4.2					4.2	2.46	94.2	;	94.2
≥ 2000	95.5	99.4		•	100.001		100.001	0000	100.0	100.0	100.00	0	0.0		100.0	100.0
	95.5	4.66				0	100.001		100.0	0	0		0.0		100.0	100.0
1500	95.5	99.4	100.0	100.0		0		100.0	0	0	100.0	0	0.0	0000	100.0	100.0
	95.5	99.4			0	0.0	100.00		0	0	100.001	0	0.0	100.0	100.0	100.0
000	95.5	4.66	100.0	0.001	0	0	100.001	100.00	0				0.0		100.0	100.0
	95.5	4.66		100.0	0	0.0	100.001		0	0	100.001		100.001	0.00	100.0	100.0
8	95.5	4.66	100.0				0				0			100.0	0.0	100.0
	95.5	4.66		100.0	100.0		0	100.0	0	0	100.00	0	0.0	100.0	100.0	100.0
00	95.5	99.4					0			0	0.0	0	0.0	100.0	100.0	100.0
	95.3	4.66		100.0	100.00	100.0	• 0		0	0		10000	0.0	100.0	10000	100.0
V 40	95.5	99.4	100.0	100.0	100.0			100.0	0	0	0			00.00	100.0	100.0
	95.5	99.4	100.0	100.0		0	10000		100.0	10000	100.0	10000	100.01	10000	100.0	100.0
38	0 0	00			0			2					00.00	-		100

TOTAL NUMBER OF OBSERVATIONS

> 95.2 95.5

> > 80

AI AI

95.5 95.5

88

AI AI

155

NAVWEASERVCOM

X

BARBERS PUINT, HAWALI

-

-	
=	
0	
S	
04	
12.1	
20	
RB	
4	
0	

TA HAMAII

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						N. T. C. S.										
(FEET)	N 2	9	۶۰ ۸۱	4	N Al	≥ 2%	7 2	¥1 ¥	¥1 ¥	- AI	% AI	* 11	X XI	≥ 5/16	N AI	0
	58.1			58.1	58.1	58.1	58.1	8	58.1	58.1	58.1			58.1	58.1	58.1
≥ 20000	66.5		66.5	-	66.5	66.5	66.5	66.5	66.5	66.5	6.	: 66.5	66.5	66.5	66.5	66.5
	66.5			66.5	66.5	. 9		6.	66.5	66.5	66.5	66.5	66.5	•	66.5	66.5
≥ 16000	66.5		66.5	66.5	66.5	66.5	66.5	60.5	66.5	66.5	66.5	66.5		66.5	.99	66.5
14000	67.1			67.1		67.1	67.1		67.1	•	•	67.1		67.1	67.1	67.1
N 12000	69.7		69.7	69.7	69.7	69.7	1.69		69.7	6	69.7	69.7	69.7	69.7	69.7	69.7
	71.6		71.6	71.6			71.6	71.6	•	-		71.6	71.6	71.6	71.6	71.6
000	71.6		•	71.6	71.6	71.6	71.6	-	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
	72.9			72.9		2		2.		2	2		72.9	72.9	72.9	72.9
700	72.9		72.9	72.9	72.9	72.9				72.9	2	72.9		72.9	72.9	72.9
1	72.9	72.9	72.9	72.9	72.9		72.9	72.9	72.9	2	72.9	72.9	72.9	72.9	72.9	72.9
2000	78.7		78.7	•		8			78.7	78.7	8			78.7	78.7	78.7
	87.1			87.1		1.		-		-	-	-	87.1	-	87.1	87.1
141	89.7		90.3	80.3	90.3	90.3		0	90.3	90.3	90.3				90.3	90.3
	90.3					:		91.0	•	-	0	-	-	•	91.0	91.0
3000	92.3		92.9	92.9	6.26	92.9		2	92.9	92.9	92.	2	92.9	2	92.	92.9
	95.5		96.1	96.1	1.96	9		•	96.1		;		96.1		1.96	1.96
2000	97.6		98.1	98.1		98.1	98.1			98.1	98.1		98.1	98.1	98.1	98.1
1	97.4		98.1	98.1	98.1			98.1	98.1			98.1		98.1	1.86	1.86
1500	98.1		98.7	98.7	48.7	. 8	98.7		98.7	98.7	98.7			98.7	98.7	98.7
	98.1		7.86	98.7	98.7		98.7		98.7				98.7	98.7	98.7	98.7
900	98.1		4.66	4.66	4.66		4.66		4.66	4.66	4.66	4.66		4.66	4.66	4.66
	98.1		4.66	4.66	4.66	4.66						4.66	4.66	4.66	4.66	99.4
80	98.1		4.66		4.66		4.66		•		100.0	100.0	100.0	100.0	100.0	10000
	98.1		4.66	4.66	4.66	4.66		99.4	0.0	0	-	0.0	.00	100	100	10000
9	98.1		4.66		4.66		4.66	99.4	0	0	100	0	100.0	10	-	1000
200	98.1		4.66	4.66	4.66	4.66	4.66		0.0	0	100	100.0	0	20	0000	0
400	98.1		4.66		4.66	4.66	4.66	99.4	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1		4.66	4.66	4.66	4.66		4.66	100.001	100.0	100.0	10000	100.0	100.0	10000	100.0
200	98.1		4.66		4.66		4.66	4.66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
901	98.1		4.66	4.66	4.66	4.66	4.66	4.66	100.001	100.0	100.0	10000	10000	10000	10000	0.001
			-							-				-	-	

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAMAII

		*	10	5	2	0	7	4	C	1	3	m	5	œ	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0	0	0
	Al	17.	64.	. 40	65	65.	67.		69	.69		70.	75.		89.	39.	91.	96	00	00	ò	8	00	ė	00	ò	00	00	ò	0	ò	0
			5			8			0				-			9			010	-	-	010	010	3	30	010	-	010	010	7	200	ž:
	7	3			5.	•	3	•							•								•					č	•	•	3	3
	Al	3	0			9	-	9	69			2	75		8	89	9	96	00	8	8	8	80	8	00	ŏ	00	ŏ	8	8	ö	8
	•	4	5	8	7	80	-	4	O	1	•	•	5	00	0	0	0	œ	0	8	8	3	8	8	8	8	3	6	8	8	8	6
	3/16	1	4	100	50		-		6			0				6			0	ò	0	0	0	ò	0	0	0	0	0	0	o	9
	Al		9	0	•	9	9	0				-		80		8			2	-	2	2	2	2	2	2	10	20	10	2	2	2
	2				. •	. 8				.7												0		0	•		0			0	9	
	Al	5	9	9	65		6	99	69		70	2	2	85		8		96	8	8	8	8	8	8	8	8	8	8	8	8	8	88
		*	3	-	7	00	-	*	0	-	•	m	•	8	0	O	ø	80	0	0	3	3	3	3	8	3	6	3	3	0	3	67
	*	-	3	*	5,					.6										0			0		ò	ò	0	0	0	0	0	ė e
			9		9		0		9			-				8			2	-	-	2	9	2	2	2	20	.0	2	9:	2	25
	*	4	3			.8				.7												•			0	•				•	9	0,0
	AI	57	99	9	65		67		69	69						89		96	8	8	8	8	00	8	8	8	8	8	8	8	8	88
		4	-	2	~	8	-	4	a	1	0	m	2	00	0	0	•		10	~	3	-	3	-	6	5	6	3	5	6	6	37
	- AI	7.	1	4	3	5.	1		.6	. 6	ò	0	5	5.	6	6	-	.0		.0	ò	0	0	ò	0	0	0		0	0	0	0
ES)	^"	2	0	9	9	9	9	9	9	9	-	-	-	8	8	80	0	0	10	10	10	10	10	2	10	10	10	10	10	10	9	25
MILES	7	*		5	.2	. 8	-	*	0	.7	. 3		.5		9	0	9.	.8	9	0	9	0	9	0	9	0	9	0	0	.0	0	0
UTE	AI.	57	79	99	65		67		69	69	20	10	2	85	68	68	6	96	0	00	0	8	0	8	00	00	00	00	8	00	8	88
VISIBILITY (STATUTE			2			8				1									-	10	-	-	10	-	8	3	-	70	10	10	8	3
14 (7.	-			2	5.																										
119	Al	-	0	ō	9	9	0	9	9	69	-	-	-	0	8	8	0	0	Ö	01	9	0	ò	100	0	0	100	Š	0	0	Ö	0
VIS		3		10	2	8	=	3	Q	1	3	3	3	80	d	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AI	2	9		65		67		69		d	10	15		89		6	0	00	00	00	00	00	00	9	0	00	0	00	00	0	0
						13				7									30	3	-	3	-	3	3	-	3	2	X	3	=	3
	21/2		3			•			9.6		•						•		3	•				•			•				-	-
	Al	5	0	0	9	9	67	0				20			8	89			ö	00	ŏ	00	ŏ	8	00	ŏ	00	8	00	ö	8	ŏ
		3	5	5	~		-	4	d	1	3	3	5	œ	0	0	9	•	0	6	0	5	0	6	0	8	0	6	0	0	3	50
	M AI	7	4	*	2	5	1		6	6	o	o	3		6			0	00	0	00	ė	ò	ò	g	ò	d	0	0		ò	0
			9	•	9	9	9		9			-			8		6		-	-	-	20	10	50	10	10	10	10	10	10	01	0
	-	1	3			8.8			0.0							0.			0.0		0.0	0.0	0.0	0.0		0.0	0.0		000	3.0	3	
	Al	3	9	9	69		6		69			50		8	8	8	6	96	0	8	00	8	8	8	8	8	0	8	00	00	8	00
		3	-	N	7	80	-	4	O	1	m	m	3	0	0	0	0	8	6			5	8	5	8	5	3	6	6	0	5	8
	AI						-		6	.0	0	ò	3	3	6	6	-	96	0	0	ò	0	100.	ò	ò	ò	0	0	0	0	ò	000
			9	0			9		0	0	-	-	-	œ	•	00	6	0	10	4100	10	100	9	100	100	100	100	001	100	100	801	25
		1:	-		3.2	.2								.2		*	0	-				•	-	*	4.	4.						
	Al		4	40	63	65.	99	6	68	69	69	69	74	85	86	88	2	96.	66	66	66	66	66	66	6	6	6	66	6	66	6	99.
	-			-	7	7	5	-	3	O	-	~	8	7	4	*	O	-		4	*	4	*	4	4	*	3	4	3	3	3	3 .
	2	-	4		2		9			6				3		8	-		6		6		6		6		6	6	6	6	6	00
	AI	10	0	•	0		0	0		0	0	9	-	00	30	œ	0	0	0	0	0	2	0	0	6	0	6	0	0	0	0	00
		Ş		0		_	_	_	_	_		_	_		_		_		_	_		_		_		_	_	_	_	_		-
CEILING	(EE)	CEILING	2000	18000	8	14000	200	1000	8	800	8	8	8	150	900	350	3000	2500	200	88	8	1200	8	8	8	8	8	8	4	30	8	80
=		9	AI	Ā		VI		Ā	ale the		AI	AI			AI		٨١	AI	Die !	AI		AI	AI	AI	AI	AI	AI	AI	AI	AL	AI	AI A
		Z		_	_				_				_																			

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

....

481

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWAII

CEILING							N.	SIBILITY (S	VISIBILITY (STATUTE MILES)	ILES)						
(FEET)	5 7	9 Al	\$ 2	1 1	K 41	≥ 2%	12 2	Y1 7/2	¥1 A1	,	% Al	* 1	Z Al	≥ 5/16	× Al	O AI
NO CEILING	57.4 57.4 57	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.	4 57.4	57.4	57.4	57.4	57.4	57.4
	050	050	0200	020	020	4	05.0	020	020	0 20	0 00	020	020	020	02.0	02.0
18000	0/1-1	1.0	1:10	07.1	0	10/0	67.1	•	0	67.	0/0		100	10,0	1.	0/9
3	01.1	97.1	0				67.1		. 0	67.	0/0	•	•	01.1	0	0/0
≥ 14000	0.69	69.0	69.0	0.69	69.0	0.69 (0.69	0.69	0.69	1.69	0.69 0	0.69	69.0	0.69	0.69	0.69
12000	71.0	71.0	71.0	71.0	71.0	71.	71.0	71.0	-	71.	0 71.0	71.0	71.0	71.0	71.0	71.0
10000	72.3	72.3	72.3	72.3		1			72.	72.	72.	72.3	72.3	72.3	72.3	72.3
- 1	72.3	72.3	72.3	72.3	72.3	72.	72.3	72.3	3 72.3	•	72.	72.3	72.3	72.3	72.3	72.3
8000	72.9	72.9		72.9	72.9	72.		72.	1	72.		72.9	•	72.9		72.9
× 7000	72.9	72.9	72.9	72.9	72.9	72.	72.9	72.9	72.9	72.	72.	72.9	72.9	72.9	72.9	72.9
9009	72.9	72.9	72.9	72.9	72.9	1	72.	72.	72.	72.	•	72.9	72.9	72.9	72.9	72.9
2000	76.8	76.8		76.8	76.8	76.	76.8	-	3 76.8	76.	8 76.8	76.8	76.8	76.8	76.8	76.8
4500	88.4	98.4	88.4			88.		88.	80		88.	88.4	88.4	88.4	88.4	88.4
000 AI	92.3	92.3	92.3	92.3	92.3	1 92.3	92.3		-	2	3 92.3	92.3	92.3	92.3	92.3	92.3
3500	92.3	92.3	92.3	92.3	•	92.	2.	0	3 92.3	2.	6		92.3	92.3	92.3	92.3
300	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6			93.6	93.6	93.6	93.6	93.6
2500	4.66	4.66	4.66	4.66	4.66	4.66		99.4	4.66	. 66	4.66	4.66	99.4	4.66	4.66	4.66
7 200	100.0	100.0	100.0	100.0	100.0	0.0010	100.0	100.0	9	100.0	0100.0	10000	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	0100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.00	100.0	100.0	10000	100.0	100.0	0.0010	100.	0100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.00	10000	100.0	1000.0	100.0	100.0	0.0010	100.0	0.0010	10000	100.0	100.0	100.0	100.0
- 1	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0010	100.	0.0010	100	100.0	0	100.0	100.0
8	100.0	100.0		100.0	100.0	-	100.0	100.0	100	100.	0	-	-	0	100.0	1000
8	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0010	100.	0100.0	100	100.0	100.0	100.0	100.0
28	100.0	100.0	100.0	100.0	-	7	100.0			100.	0100.0	-		-	100.0	0.001
% ^I	100.0	100.0		100.0	100.0	-	100.0	100.0	0.0010	100	0.0010	100.0	100.0	0	100.00	100.0
900	100.0	100.0	100.0	100.0	100.0	0.001K	100.0	100.0	0.0010	100.0	0100.0	100.0	100.0	100.0	100.0	0.001
A1	100.0	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0010	-	100.0	100.0	100.0	0.001
38	100.0	100.0	100.0	100.0	•	7	100.0	100.0	100.0	100.0	0.0010	100.0		100.0	100.0	100.0
1 30	100.0	100.0	10000	100.0	100.0	0.0010	100.0	100.0	100.0	100.0	0.0016	100.0	100.0	100.0	100.0	100.0
8	100.0	100.0		100.0	100.0	1000.0	100.0	100.0	100.0	1001	0.0010	100.0	100.0	100.0	100.0	0000
- 1	100.0	100.0	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0010	100.0	100.0	100.0	100.001	100.0

TOTAL NUMBER OF OBSERVATIONS

155

3

NAVWEASERVCOM

22514

CEILING VERSUS VISIBILITY

	YEARS	NCE
73=77		PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOLIRLY ORSERVATIONS)
BARBERS POINT, HAWALL	STATION NAME	PERCENT

MO CEULING 65. 8	CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
CCHING 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	(FEET)			1	*	1		1			-		1				
72.97 72.9 72.9 72.9 72.9 72.9 72.9 72.9		65.8		65.8		5	65.8		5	65.8			65.	65.8	5	65.8	
12.3 72.3	1 20000	71.6	4	71.6	•	-			1	71.6			71.6	71.6	71.6	71.6	71.6
14.000 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9		72.3		72.3		72.3	•	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
1000 74.2		72.9	0	72.9		72.9	•	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
13000 74.8		74.2	. 2	74.2	74.2	74.2		74.2	74.2	74.2	74.2		74.		74.2	74.2	74.2
10000 76.1		74.8		74.8	74.8	74.8		74.8	74.8		74.8		74.		74.8	74.8	74.8
76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8		76.1	-	76.1		9	76.1		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8		76.1		76.1	•	9	76.1		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
76. 8 76. 8		76.8		76.8		.9									76.8		
76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8		76.8	80	76.8		9									76.8		
3000 79.4 <th< td=""><td>1</td><td>76.8</td><td>8</td><td>76.8</td><td></td><td>9</td><td></td><td></td><td></td><td></td><td></td><td>76.8</td><td></td><td>•</td><td>76.8</td><td>76.8</td><td></td></th<>	1	76.8	8	76.8		9						76.8		•	76.8	76.8	
3500 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3		79.4	4	19.4		79.4	6	6			79.4	79.4	79.4	79.4	79.4	79.4	
4000 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3		87.7		87.7	7.	87.7	7.	7		-	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3		92.3		92.3	2.	92.3	2.		2.	2	92.3	92.3	92.3		92.3	92.3	92.3
3000 92.9 92.9 92.9 92.9 92.9 92.9 92.9 9		92.3		92.3	2		92.		2.	3					92.3	92.3	92.3
2500 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2		92.9	.9	92.9	2.		0	2.	2			2.	92.9	2	92.9	92.9	92.9
2000 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		94.2	.2	34.5		4.	4	*	;		94.2			*	2.46		
98. 1 99. 4		98.1	. 7	7.86	8	8	8		8		98.7			98.7	98.7	98.7	
1200 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		98.1	4	4.66	6		6	4.66	6	4.66		4.66			4.66	4.66	4.66
98.1 199.4 99.4 99.4 99.4 99.4 99.4 99.4 9		98.1	. 4	4.66	.6		6		6	4.66	6	4.66			4.66	9.66	
1000 98 1 1000 0 1000 0 1000 0		98.1	99.4	66		4.66				4.66		4.66			6	4.66	4.66
98.1100.0100.0100.0100.0100.0100.0100.01		98.1	100.0	00	0	100	100.	100.0	100	00	0	0	100.	5	0	•	0000
900 98.1100.0100.0100.0100.0100.0100.0100.01			100.0	.00		100	100			100.0		0	100	0	0		10000
700 98.1100.0100.0100.0100.0100.0100.0100.01		_	100.		0	100.	100.					0	100	0	100.		100.0
 98.1100.0100.0100.0100.0100.0100.0100.01		-	100.		0.	.00	100.0		100.0	0		0	100.0	0000	.00	100.0	100.0
 98.1100.0100.0100.0100.0100.0100.0100.01		-	00		0	100.	100		100.00	0		0	100.0	00.00	100.	100.0	100.0
98.1100.0100.0100.0100.0100.0100.0100.01		98.1							100.00	.0		•	100.0	00	100		0.001
300 98.1100.0100.0100.0100.0100.0100.0100.01		98.1					100		0	0		00	10000	0	0		0.001
200 98.1100.0100.0100.0100.0100.0100.0100.01		98.1		0	00	-		0	100.0	0		0	100.0	00			10000
0 98.1100.0100.0100.0100.0100.0100.0100.01		98.1	00	0	00.00		1001	100.0	0.0	00.00	0		0	100.0			100.0
98, 1100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 01		96.1	00	0			100	0		0.0	0	00	100	00		0	10000
		-	00		0.00		100	100.0	0		0		100	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		10	m.	0 0	2 50	-	0	4	*	4	-	0	0	0	~	00	-	3	4	4	0	0	0	0	0	0	0	0	5	50
	AI	-		-	5		0	-	-	77.	8.		3		*	96		66		66	ė	00			ġ	00	00		2	
		01	-	-						-	-	8		6			<u>.</u>	5		5	-	-	2	-	5	-	-	-		22
	*							*		•	•	•		9.		•	:	:				•	0	00	0:	0	0	0:	9	: :
	Al	25	72		1	76	2	2	7	11	7	8		93		96		66	6	66	8	8	8	8	8	8	8	88	3	8
	•	- 0	m.	0 0	3	-	00	4	*	*	7			9	2	00	-	*	4	3	8	6	3	8	8	8	8	3	5 6	38
	\$/16	-	2	5			9	-	-	7.					*	0		0		6	ò	0	0		ò	0	ò	0	5	
	Al	01		- 6	-		-	-	1	1	-	8	0	0	0	0	•	0	0	0	-	10	10	-	-	10	-	2	3	20
	2	1.0		0 0	300	-		4	*	*	. 1	•0		9.	.2		-	4.	*	3.	.0	0.	0	0	0	0	•	0.	?	00
	Al	25		23	5	2	76	1	11	11	18	68	6	63		96	98	66	6	66	8				8	8	8	88	36	38
		-0	m.	0 0	2 10	-	0	4	+	•	7	0	0	9	2	80	-	*	4	4	0	10	7	10	6	6	3	3	3 6	50
	*		2				9	-	-	1.	8	6	•	3.				6	6		0					0	•	0	5	
	AI	10			-	-	-	-	1	1	1					0		0		0		10			Š	01			9 0	20
	,	-0		0 0	3 0	-	8	*	*	*		0	0		.2	80	-	*	4.	4.	0	0	0	0	0	0	0	0	5	90
	Al	25	2	2	3	0	10	2	17	11	28	68		63	34	96		66	6	66	0	00	00	0	8	8	8	2	3	000
		F 4		0 0	. w	-					_	0			2	60	_		-		010	3	3	3	3	Z	0	3	4	17
	-			•						:		•					3	:	:	:		•	•				•	0.0		
S	AI	20	72		75	7	_	-	7	11	78		93		96	96				66	00	00	8	00	8	00	00		0	00
MILE		-	m.	0 0	2 6	-	8	4	3	4	-	0	0	9	7	•	-	3	4	4	0	0	0	0	6	6	6	8	0	38
1 1	1.7	-	2		- 10			-	7.	7.		6	3.	3				6	6	6	0	0	0	ò	0	0	0	0	5	•
JTA.	Al	01					-	-	-	1	-	8	0	0	6	0	0	0	0	6	10	10	10	10	2	2	2	10	3	20
VISIBILITY (STATUTE MILES)	1%	1.0		0		-	8	*	. 4	4.	. 1	.0	9.	. 6	.2	. 8	-	4.	. 4	4.	.0	0.		.0	0	.0	.0	.0	5	00
=	AI	795			3	2	16	11	11	11	18	89		63	16	96	86	66	66	66	0	00	00	00	8	00	00	100	000	38
SIS	-	-	m	0 6	2 2	-	80	*	4	*	-		9	9	2	00	_	4	4		-	3	3	3	3	3	10	70	3	33
*	~		:					1:		1			3.	•				:				•	•	•		ò	•	•	•	00
	AI	20	-	- 5	-	-				7	1	8		6		0			0	0	10	10	10	10	10	10	10	10	0	000
	*	-0		0 0	4 97	-	8	3	4	*	-	0	0	9	~	00	-:	4	4	3	0	0	0	0	0	0	0	0	5	00
	2 2%	19		2	1	0	9	7	17	11	8	89	0	63	3	96	00	-	6	66	00	00	8	00	00	00	00		000	000
					v m	-	-				_						_				-	010	3	6	6		0	070	1	33
			6				•			*	3	0	•				3		4.									•	3	
	Al	95	72	-	. 6	76	76	-	7	7	78	8	6	93	96		98			66	8		8	8	8	8	00	00	0	00
		- 4	m .	0 0	V 60	-	8	4	4	*	-	0	•	•	~	00	-	4	*	4	0	0	0	0	0	6	6	0	0	50
	AI		2	2		0			-	-		6	-			0			6		0		0	0		0	0	0	0	00
		9		-		-	-	-	-	-	-	8	6	3	0	0	0	0		0	10	-	-	-	-	-	-	-	-	070
		1.0		9	3 6	-		4.		*	7	0	.6	9.	.2	8	7	4	4.	*		0		0				.0		00
	Al	25	72	2	2	20	76	17	11	17	78	89	93	66	76	96	98	66	66	66	00	00	00	00	00	00	00	00	38	30
		P 4	m.		u K	-	80	•		4	-	0	•	0	N	8	-			-	•	3	4	-	•	-	-			• •
	•	67.	å		: :	:		:	-	:					:	•													:	
	A)	90	-	-		~	7	ř	-	-	-	8	0	0	0	0	0	•	ō	ō	5	0	ŏ	ò	č	0	ŏ	0	>	20
		1	0	0		-	8	4	4	4	-	~	3	m	0	5	0	3	4	4	4	*	4	4	*	*	4	4	3	. 4
	2	67.	N	1	- 10	0	0	-	1	7	80	-	2	2	N	3	9	-	7	-	-	-	-	-	-	7	1	-	-	
		31		-	-	-		-	-	•	_	-		0.	0	_	5	5	~	0	9	3	5	3	٥.	~	5	~ .		- 0
0		S Z	20	2	2 9	0	0				0			0	0	0	0		9	0	0	0	9	0	9		9	9	2	80
CEILING	EET	CEILING 20000	18000	3	12000	8	8	80	7000	8	2000	450	4000	350	300	250	2000	180	1500	120	90	8	8	2	8	8	8	88	2	5
2	=	2 1	ALA		AI AI	1	٨I	Al	AI	A	AI	A	AI	٨١	M	AI	٨I	A	AI	٨	IAI	A	A	A	A	A	AI	AL	AI	AI AI
				1		_		_		_	_	_		_		_		_		_		_		_		_			1	

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

5703

CEILING VERSUS VISIBILITY

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUTINT HAWALL

1.96 70.6 71.9 6.06 73.0 86.8 86.8 91.1 73. .0010.0010.0100.0100.0100.0100.0100.0100.0100.0100 ٨ 1.96 6.66 6.66 6.66 6.66 6.66 6.66 6.86 73.1 75.8 73.0 91.1 71.9 6.06 92.3 6.66 99.7 1 Al 73.0 86.8 86.8 86.8 1.66 67.4 67.4 67.4 67.4 67.4 67.4 67.9 67.9 67.9 67.9 67.9 73.1 98.9 0.69 4.66 4.66 4.66 71.9 91.1 92.3 1.96 6.66 73.8 6.06 7.66 2 5/16 73.1 73.0 1.16 1.96 6.86 4.66 6.66 6.06 6.06 7.66 71.9 73.1 2 ٨١ 92.3 1.96 6.66 73.1 91.1 98.9 0.69 0.69 * 4.66 73.0 73.1 6.06 92.3 6.86 71.9 72.3 91.1 6.66 6.66 6.66 96.1 7.66 7.66 73.1 71.9 4.66 73.0 75.8 8.98 2.66 73.1 6.06 92.3 98.9 7.66 91.1 96.1 ٨I VISIBILITY (STATUTE MILES) 6.86 71.9 70.6 6.06 91.1 4.66 1.66 0.69 73.0 73.1 75.8 86.8 96.1 92.3 6.66 67.4 67.4 72.3 99.7 6.66 6.66 0.69 86.8 4.66 71.9 6.06 98.9 99.7 99.7 73.1 92.3 91.1 96.1 96.1 67.1 67 ٨I 4.66 4.19 71.9 6.66 73.0 86.8 6.06 91.1 6.86 6.66 73.1 6.66 6.66 61.9 0.69 70.6 72.3 6.66 75.8 92.3 6.66 6.66 99.8 99.9 99.9 99.9 6.66 6.66 73.1 99.7 67.9 AI 67.1 96.1 71.9 0.69 75.8 86.8 6.06 91.1 92.3 98.8 98.9 98.9 4.66 6.66 6.66 6.66 73.1 6.66 6.66 6.66 7.66 6.66 6.66 7.69 7.69 9.6 73.1 Y 2% 67.4 71.9 6.06 91.1 6.66 6.66 6.66 73.1 80.9 4.66 70.6 73.0 92.3 7.66 96.1 ۳ ۸۱ 1.96 67.4 0.69 71.9 73.1 99.8 99.8 6.06 4.66 72.3 86.8 92.3 8.66 8.66 75.8 91.1 96.6 73.0 73.1 99.8 Al 70.5 70.6 9.66 67.1 67.1 73.1 8.86 9.66 72.3 75.8 86.8 6.06 91.1 92.3 4.66 8.66 8.66 96.1 Al 67.9 72.9 9.66 9.66 9.66 9.66 9.66 9.66 73.0 91.1 9.66 92.2 9.66 3.66 4.66 73.0 90.8 0.96 4.66 9.66 86.7 98.6 9.66 ۸۱ 98.0 72.8 0.86 98.0 98.0 711.7 73.6 90.2 98.0 98.0 98.0 67.3 86.2 90.5 91.5 95.3 6.16 98.0 67.8 60.00 72.8 97.5 0.86 98.0 72.7 2 NO CEILING VI VI 0008 1 0008 1 12000 0000 0000 1200 80 (FEET) > 20000 8000 2000 4500 3500 2500 1500 88 88 8 9 300 AI AI AI AI ALAI AI AI AIAI ALAI ALAI ALAI ALAI MIM 14 14 ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

240

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

BARBERS POINT, HAWALL

D2 HOURS (1 S T) FEB

....

		20	10	0	0	m	0	0	~	-	1	-	3	5	10	8	2	7	N	3	3	3	m	3	0	0	0	0	0	0	00	5
	٨١	8	3		0	2.	3.	3		3	3.	3.		6	. 9		-	2						6	·	0	ó	0	0	0	00	
	Λ,	- 0	0 0	00	0	00	00	0	8	8	8	00	0	0	0	0	0	0	0	6	0	0	0	0	2	10	10	10	10	2	01	2
		20	0	0	0	3	0	0	-	1	1	-	3	5	3	3	7	2	2	3	m	3	3	3	0	0	0	0	0	0	0	2
	AI	75	0 0	80	0	2	3	0	3	3	3	3	4	9	ò	0	-	-	-	0		0	•	0	8	0	o	0	0	0	0	5
	Λ,	- 0	0 0	0 00	00	8	80	20	00	æ	æ	00	2	0	0	0	0	0	0	0	0	0	0	0	20	10	10	10	10	2	20	2
	9	20	0	0	0	3	0	0	-	1	1	1	1	5	5	5	7	VI	2	3	3	(1)	3	3	0	0	0	0	0	0	0	2
	5/16	5	200	0	0	N	3	3	•	3	3	3	4	9	9	96	-	-	10	0	66	0	66	0	8	00	0	0	0	0	0	5
	Vì	- 0	0 0	0 00	00	20	00	00	æ	œ	3	00	0	9	0	0	0	0	Ġ.	6	5	0	٥	0	2	20	10	10	10	2	22	2
		20	0	0	6	3	0	0	-	1	1	1	3	3	5	3	~	2	2	3	40	Les	3	10	0	0	0	0	0	0	0	2
	VI Z	5	2	0	0	~		~	3	m	3	3			9		-	-	16	0	0	0		0	8	0	0	9	0	0	9	2
			3	000	æ	œ	0	-	00	80	80	00	0	0	6	0	5	0	5	0	0	0	5	0	-	-	01	-	10	3	9	•
		20	0	0	6		0	0		. 7	. 7	1		3	. 5	. 5	. 2	.2	. 2	3	.3	6	w	.3	0	0	0	0		0	0	
	*	5	9			N		3	m	•	3	m	4	0	9	96	-	-	1	0		0		0	8	0	0		0		88	2
		- 0	0 4	9 30	8	00	œ	8	a	00	00	ထ	0	0			5	6	6	9	0	0	5		-	10	01	-	10		-	1
		20	0	0	0	4	0	0		. 7	1	. 7		3	. 5	. 5	. 2	.2	.2	3	. 3	3	w		•	0	0	0	0	0	00	?
	AI	5		0			3		9	3				9	9	96	1	-	1	0	0		0	0	Ö	00	00	00	00	8	9	2
		7	0 0	00	00	æ	80	ဆ	œ	80	8	00	6	0	0	5	6	5	6	0	0	0	0	0	~	-	1	-	-	-	01	2
1127		20	0	. 6	0	3	0	0		. 7		1.		2	.5	.5	. 2	2	. 2			4	4	.3	0	0	0	0	0	0	0	2
	AI		3			N	m	•	4	6	m	•	4		9	9	1	-	-	0	0	0		0	0	C	0	C	0	0	0	0
ES)		-	0	0 00	30	0	8	8	0	8	8	00	2	0	0	9	6	0	0	0	6	0	0	0	10	10	10	10	10	10	20	7
VISIBILITY (STATUTE MILES)	7	2	70	0	6	3	0	0		. 7		1		10	.5	5	. 2	2	. 2	3	.3	6	3		0	.0	0	.0	0	0	0	?
JTE	17/	10	9	0					3	0	ch	3	*	0	9				-	0	0	0	0	0	0	0	0	0	0	0	0	2
ATC	ΑI		0	9 00	30	00	8	8	00	80	30	00	6	0	0	6	6	0	9	0	6	0	0	0	10	10	10	10	10	20	20	7
(ST	7	NO	0	0	0		0	0		1	-		100	10	10	3	. 2	2	8	100	w	3	cer	50	0	0	0	0	0	0	0	5
ITY	1,4	5			0	N	3	3	1	0	3	m	3	0	0	0	-	-	-	0					0	0	0	0	0	0	0	2
181	ΑI		0	9 00	80	00	8	a	œ	ဆ	00	8	9	•	0	0	0	0	0	0	0	0	0	G	10	10	10	10	10	10	000	7
VIS		20	70	0	6	3	0	0	. 7	-	-	-		3	5	50	3	2	2	543	w	50	4	3	0	0	0		0	0	0	9
	7			0			m		m		1					0	-	-		0	0			0	0		0			0	0	g
			0 3	C 00	00	00	8	80	00	80	00	00	6		6	0	0	0	6	6	6	0	0	0	10	01	10	10	10	10	01	7
	4	~0	0	.0	0	4	0	0		-		۲.			50.3	10	.2	~	.2	3		Cal			0	0	0	0	0	9	0,0	2
	2 21/2	5		9 9	0	N	m	m	3	3	3	0		9	96	0	1	16		66	66	3	66	66	00	0	0	00	0	00	000	9
	AI .	- 0	0 0	3 00		00	00	est.	æ	1100	0	30	0			0									-	10	CI	7	10	~	==	1
		20	.0	. 0	6.	4	0	0	. 7				i.	.5	S	is	.2	.2	.2	i				4	0.	0	0	0	0.	0	0.0	3
	AI.	5	9	0 0	80		83	83	83	-	8	83		96	96	9	16		16	0	66	66	66	0	00	00	00	00	00	0	9	2
			-						-	œ	CIC.	-								0.					-	7	=	7	7	~		4
Pal	_	20	. 0	. 0	6.	3	0	.0							5		5	.2	2.	10	.3				. 3	3		643				
	Al	2	200	20	0	85	83	60	33	33	83	83	76	96	96	96	26	27	16	66	66	66	66	0	66		66	66	66	6	60	2
								_	-	-	_	_	0			-		-					_			-	_	_		-	-	
	-	~						.0		-												140	548	. 3		-						•
	AI	25	2 6	20	0	2	3	3	3	6	23	33	\$	96	96	9	25	1	33	66	66	66	66	66	66	66	66	66	66	6	60	1
							1										1		1								1			- 1		- 1
			-																													•
	AI	73	9 5	2 0	0	2	3	3	1	3	3	3	*	9	9	9	-	7	7	6	6	6	5	6	66	6	6	6	66	6	00	1
							1								1				1										1	- 1		- 1
	0	20	20	. 0	6	1	0	0	. 7		. 7			3			.2	.2	.2	6.	6.			6.	6.						0.0	-
	2	75.	2	20	0	2	1	10	33	3	40	3	4	96	96	9	3.3	11	1	-	33	27	11	37	33	1	33	1	3.7	23	7 7	-
			-	9 50	0.3	-	44	144	-	30		-	0	-	-		-	5	-	-	9.	-	3	5	-	_	_	-				
		9			1		-	-	_	-	-		-		_	_	-	-	-		_		-		-		-	0	-		0.0	,
Z	E	CEILING		16000	000	12000	000	9000	000	7000	9	2000	1500	900	3500	3000	500	2000	800	300	1200	90	8	8	100	8	50	8	8	200	80	
CEILING	=	0 0		= = N AI		IAI		M		IAI	1	I A I		IAI		IAI	1	IAI		IAI		Al	AI	۸I	A	1 1	A	1 1 1	AI	AI	ALA	
		2 ^	1		1											,																

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE BARBERS PUINT HAWAI

(FROM HOURLY OBSERVATIONS)

92.2 ٨١ 99-3100-0100-0100-0100-92.2 ۸۱ 98.6 98.6 98.6 97.9 98.6 76.6 91.5 6.46 6.26 77.3 91.5 92.2 98.8 98.6 90.1 5/16 A 91.5 94.3 98.6 1.06 92.2 98.6 98.6 98.6 98.6 98.6 91.5 ٨I 98.6 97.9 98.6 98.6 98.6 77.3 1.06 91.5 98.6 76.6 77.3 92.2 77.3 91.5 6.46 78.7 98.0 6.16 98.6 98.6 92.2 91.5 98.6 98.6 90.1 91.5 AI 94.3 94.3 98.6 98.6 98.6 91.5 91.5 97.9 97.9 97.9 98.6 98.6 98.6 77.3 92.2 98.6 98.6 76.6 90.1 AI VISIBILITY (STATUTE MILES) 9.86 91.5 98.0 1.06 91.5 ۷۱ ۲ 77.3 98.6 98.6 91.5 1 .06 92.2 6.16 98.6 98.6 98.6 98.6 77.3 91.5 94.3 66.3 91.5 98.6 1.06 6.16 AI 98.6 98.6 98.6 90.1 6.45 98.6 98.6 1 2% 67.0 61.5 77.3 98.6 16.6 92.2 98.8 77.3 98.6 91.5 9.36 98.0 98.6 66.3 1.06 ۳ ۸۱ 76.6 1.06 6.76 6.16 97.2 77.3 77.3 91.5 92.2 94.3 94.3 97.2 97.2 ٨I 6.16 77.3 98.0 76.6 77.3 90.1 5.16 92.2 97.2 6.76 6.16 91.5 6.16 61.6 78.7 ٨I 77.3 76.6 77.3 6.36 61.6 90.1 ۸۱ 77.3 97.2 96.5 96.5 9.9 77.3 92.2 64.3 97.2 91.5 78.7 90.1 2 NO CEILING 80 CEILING (FEET) > 20000 18000 12000 000 000 000 88 800 7000 3500 2000 5000 4500 500 1200 88 88 88 AI AI AI AI AI AI ALAI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

0.8 HOURS (1.5.T.)

FE B

CEILING VERSUS VISIBILITY

BARBERS POINT HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		100	m	00	00	m	70	-	10	N	0	N	-0	00	0	0	0	-	M	3	O	0	0	0	O	0	O	0	O	00	SIC	0
	•	:	•	:	:	•	:	:	:	•		•	:	:	•	:	:		•	:	3	:	:	:	:	:	:	:	-			
	VI	63		73	-	73	7	7	2	-	73	75	7		95	95	6	95	0	96	8					8		8	ŏ	8	5 6	
		8	8	8	80	00	00	50	5	~	2	2	9	8	0	0	0	-	0	.0	3	6	3	3	3	8	8	5	3	8	36	3
	*	:	•	•	•		3	:	:			•				•		3.		•	•		•	•	•		•	•	0	:		:
	Al	6	73	73	-	-	-	7	7	-	-	7	~	90	0	6		6					8							8	Š	0
		8	8	80	8	83	60	5	5	2	2	2	0	8	0	0	0	-	0	•	3	3	3	3	3	3	8	3	3	35	3 6	8
	5/16	:	3.		3.	:	3	:	. 4					0	•			2.	:	8		0	0	0	:	•	0		•	00	:	0
	Al	9	7	7	7	~	-	~	~	-	-	7	ř		0					6	ŏ	ŏ	ŏ	ŏ	8	ŏ	ŏ	ŏ		ŏč		
		8	8	0	00	90	9	5	2	2	2	2	0	8	0	0	0	-	0	•	5	5	0	5	6	6	6	3	8	50	56	5
	2	-		:	:	-		:	:					0	2		3	5.	-	8	0	0	0	0	0	0	0		0	00	50	0
	Al	0	-	-	-	-	-	F	7	-	-	-		0		0		6	0		ŏ		ŏ							ŏĕ		
		80	8	00	00	00	00	5	5	2	~	2	9	8	0	0	0	1	0	•	8	3	6	5	6	3	8	6	8	0 6	0	0
	*	:	:	3.		3.	3		;			3.	:		:	3	-	2.	:	8	0	ò	0		0	•	0		0	00		0
	Al	0	7	-	-	-	-	7	-	2	-	-	~				0		0	6										ŏč		ŏ
		20	8	8	20	00	8	5	S	2	~	2	0	00	0	0	0	1	0	0	3	3	3	3	8	8	0	8	6	56	50	8
	*	:	:	*	:	-		:	:	3		5	:		:	2	:	5	:	8	0		0	0	:	0	0	0	0	00	50	0
	AI.	9	1	-	-	-	-	-	-	-	-	-	7	6		0		6		6		ŏ								5 5		
		00	8	80	00	80	00	80	-	2	~	2	•	00	0	O	0	1	0	9	3	6	6	8	6	3	8	8	8	55	56	0
	-		3	3.		3.	3	3		5.		5		0		2.	3.	2			0	0	0		•	0	•		0	00	5 6	0
· ·	Al		-	-	-	-	-	2	7	7	-	-	~	-		6	750.50			6	0	ö		0			ŏ		ŏ		5	
VISIBILITY (STATUTE MILES)		80	8	00	60	80	00	5	8	2	2	2	•	00	0	0	0	1	0	9	0	6	0	6	0	6	6	6	0	8	5 6	50
N N	7		3.		:	:		:				5			•	•	3	3	:	8	•				•		:	:	:	:	:	: 0
5	Al		-	-	-	-	-	2	2	7	-	-	2	6			0	6		6	ŏ	ŏ					ŏ	ŏ	ŏ	0 6	5 6	0
STA		43	00	20	90	30	æ	2	8	2	~	2	0	00	0	0	0	-	0	0	3	3	3	3	3	3	8	3	3	0	5 6	5
2	1%	:		-	:	-		*	:	5		2		:			2	5.			0	0	-		0	0		0	0	00	10	: 6
1 =	Al	0	-	-	-	-	-	2	-	7	-	-	7	6		6		6		9	o	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	0	5 6	0
ISI	-	100	8	00	69	00	00	5	30	7	~	2	9	80	0	0	0	-	0	0	0	3	0	3	3	0	0	3	3	3	36	50
>	~	:		:		:	:	:		•					3			•	1:		0			0	•	:	:		•	0	0	: 3
	ΑI	9	-	7	-	-	-	7	7	7	-		1		ō	6		0		6	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	5 6	50
		90	8	0	00	00	0	5	in	N	~	~	9	00	0	0	0	-	0	0	5	6	6	0	8	0	8	0	8	50	36	6
	21/2	:					3	:	*					0			2	:	-		0	.0	0	:	0	.0	0	.0	0	0	5 0	0
	Al	0	-	-	-	-	-	7	-	7	2		7	6		3		0		6	ŏ	ŏ	ŏ						ŏ		Š	
	-	00	8	8	0	0	00	-	50	2	~	~	9	00	0	0	0	-	0	9	6	3	0	3	5	3	0	0	3	35	36	58
		:		:		:		:	;			3.			3		:		-	8.	0			0	0	0	0		0	0	00	: :
	AI	0	-		-		-	7	2	7	-	-	7		6	6	0		ò	6	0	ŏ	ŏ		ŏ	ŏ		ŏ	ŏ		5 6	
		80	8	00	8	00	00	10	5	~	N	N	9	00	0	0	0	-	0	C	0	0	0	0	0	0	0	0	6	0	5 6	6
	4			:		:		:				3.			3.		3		-							.0	0			0	00	0
	Al	0	-	1	-	-	7	7	7	-	-	-		ŏ				ò			ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŠÈ	
	-	00	8	00	00	8	00	10	1	2	2	~	0	8	0	0	0	~	0	0	3	증	3	20	5	0	5	3	8	8	5 6	56
	40	:		:		:		:			:			:		2			:		0	ò	ċ	ċ	0	0	ċ	ċ	0	0	3 6	100
	AI	0	-	-	-	-	-	-	-	-	-	-	7	6	0	6	0	6	ò	0	0	Ö	ŏ	0	ŏ	ŏ	ō	ŏ	ŏ	0	5 6	Ö
		60	40	00	00			8	-	2	2	2	-	00	0	O	0	-			8-2	2-1	8-4			F 2						
	•																														•	
	A!	0	-	2	1	-	~	1	1	-	7	-	7	6	6	0	0	0	0	0	ŏ	ó	ò	ŏ	0	0	0	0	0	66	0	. 0
		80	50	00	0	80	00	10	10	~	N	2	-	0	0	O	0	1	N	2	0	0	0	8	0	0	0	0	0	0.0	. 0	
	2	-		:		:		:	:					:					-	:			-	7.	-	-	1		1	- 1	-	-
	AI	0	-	~	-	-	-	2	1	7	-	-	7	0	6	0	0	0	0	0	0	0	ò	0	0	0	0	0	0	00	0	. 0
-		10	-	-		-		-	-	-		-		-		-	_	-	-	-	-	-	-	-	-	-	_	-	-	_	+	
0	_	CEILING	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	800	8	9	8	400	88	3 3	80
CEILING	EET	13	20000	180	16000	140	12000	100	8	80	7000	3	5000	450	4000	350	3000	250	2000	180	1500	12	90	8	•	1	9	4	4	6		-
	=	9	Al		۱۸۱		ı AI		IAI	٨	ı Al	٨	IAI	٨	A	٨	IAI	Al	٨١	Al	٨١	A	M	AI	٨١	٨١	٨I	Al	٨I	AI /	11	11 11
		Z		L																						_						

TOTAL NUMBER OF OBSERVATIONS

141

444

CEILING VERSUS VISIBILITY JAN 68 5703

CEILING VERSUS VISIBILITY BARBERS POINT, HAWAIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		00	0.0		0.0	7.	-	1 10		4.	*	6.	6.		8.0	9.	9.			0.0	0.0	0	0.0	0.0	0	0.0	0		000
	Al	30	2	2;	2	73		-		-	89	6	92				_	0	66	100	-	ŏ	3	100	801	100	20	001	22
	*	9.6	6.0	-	9		•				4.6		5.9		9.6					•		0.0	0.0	0.0	0.0	0.0	0	0	0.0
	ΑI	20	-1	-	-	73					-				-					901	2	2	2	2	2	Ŏ	2	Ŏ	20
	\$/16	9.6	•	•	9		•	5												0.0			0.0	0.0	0.0	0.0	0.0	•	0.0
	Al				-,-			- -			68									-	~	-	-	-	2	10	-	-	20
	z	9.6	6.0			3.1	•	•, •			19.4										0.0						0.0		00
	AI .		~!		- ~		-	-	-	-	8	0	0	0	0	6	0	6	•	2	20	2	2			2		07.	22
	*	9.0	5.0	•	9	9.	•	, 20			9.6	•	•				8.6			0.0	0.0	•	•	0	0	00		•	00
	ΛI	W.		-	- -	-	-	- 1-	-	1			0		0		0		0	10	0100	-	-	20	010	910	070	010	200
	*	9.6	3			3.1		5		9.1	6	2.	3	;	8	8	8.0	•		0.0		0		0	0	0	0	0	00
	۸۱	300		- 1				- 1-		2			0			0	0	0	6	010	010	200	200	10	200	310	200	2	910
	- Al	9.6		•	9:0		•			9.					•	•	8.6			0	0		0	0	0	0.0		0	00
LES)	Α,	W.	-	7		~1											0		6	010	10	010	010	-	010	010	~	2	25
TE MI	7.	9.6	6.0	•	9	3.	•	4			9.4	•			8	*	8.6	•			0.0	0	0	0	0	0.0	0	0	000
TATU	۸I	W.	-	-	· r	~1	1	- 1-	1	-	80		0	0	0	0	0	0	0	010	2	20	210	10	110	2	20	20	20
VISIBILITY (STATUTE MILES	7.	9.6				9.					9.4						8.5			0.0		0	0	0	0	0		0	00
SIBILI	٨١	200			~ ~	-1	7	- 1-	~	-	4		0				0			010	010	010	210	010	310	010	200	2	200
>	7		6.0		4-	3.1	3			9.6		2.5					8.6		6	à		0		ò	0		.0	•	0
	AI	20	-	7	- F	7	- 1	- 1		-		6		6	6		6			010	010	010	310	010	010	010	010	200	200
	21/2	60	0	0		3.	3				6	2.	2.	4	8	8.	8.	6	6	0	0	•	0		0	0		0	00
	۸J	200	00	-1	00	-		- 1-	1								6			-	010	010	010	010	010	010	010	200	900
	۳ ۸۱		6	•			•			6	6	2.	2.	*	8	8	8	6	6	0	0	0					0	0	00
	Λι	200	0	-	00	-	7	U N.	10	-	80	6		9		6 9	0	3		310	310	310	310	310	310	310	310	310	310
	*	59.6					3.	•	4			2.	2	*				6	6									6	6 6
	ΛI		0		9		7	- 1-	1	7	**	6	6 6	5	0		6		6	9	0	9	8	6	6	6	9	0	00
	۶۰ ۸۱			•					,	6		2.	2.	*	•	•			.6	6	.6	6	.6	6	6	6	6	6	99.
			1				1		1																				20
	٥ ا	59.	0	•			3				9.	2.	2.	;	-	7.	2	8	8.	8.	8		8.	8.	. 8				
	^'	1		- (- 1		1		1																	- 1	00
	2		-	-	-		_	-	_			-				-		-						•					97.9
	AI.	-	~!	1		-	-		-	-	00	•	0	0	0	0	0	0	0	6	0	0	0	2	0	0	a	4	0.0
o z	E	CEILING 20000	18000	3	12000	0000	3	2000	8	2000	90	4000	200	3000	8	2000	8	1500	200	1000	8	800	200	9	90	400	38	30	80
CEILING	FEE	NO CEILING	VI V		₹ 2 N N	1	- 1	8 K	1	1 71		4					1									IAI			ALA
		ž	L																										

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

22514 STATION

1

500

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

75.2 86.5 86.5 97.2 99.3 69.5 69.5 69.5 96.5 VI VI 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 666 24.6 69.5 72.3 73.1 82.3 97.2 99.3 99.3 99.3 72.3 75.2 86.5 96.5 86.5 91.5 97.2 73.1 86.5 96.5 96.5 97.2 71.6 54.6 73.1 82.3 69.5 72.3 72.3 75.2 86.5 99.3 99.3 73.1 91.5 2 5/16 97.2 73.1 91.5 97.2 86.5 86.5 86.5 82.3 82.3 ٨١ 97.2 75.2 97.2 97.2 73.1 86.5 86.5 86.5 97.2 97.2 6.66 91.5 91.5 91.5 91.5 96.5 96.5 96.5 99.3 99.3 99.3 99.3 99.3 72.3 73.1 86.5 86.5 86.5 73.1 73.1 82.3 82.3 99.3 99.3 VI VI 71.6 97.2 73.1 75.2 _ ^! VISIBILITY (STATUTE MILES) 69.5 97.2 97.2 75.2 99.3 72.3 72.3 82.3 97.2 72.3 73.1 73.1 86.5 96.5 75.2 75.2 75.2 82.3 82.3 82.3 86.5 86.5 86.5 69.5 97.2 8.66 90.5 54.6 54.6 69.5 69.5 69.5 69.5 69.5 69.5 69.5 73.1 86.5 86.5 86.5 91.5 60.69 72.3 73.1 31.5 97.2 96.5 97.2 71.6 97.2 73.1 72.3 97.9 99.3 99.3 99.3 69.5 73.1 7 73.1 96.5 97.2 91.5 97.2 97.2 97.9 97.9 99.3 99.3 69.5 86.5 2.72 72.3 86.5 86.5 86.5 96.5 96.5 97.2 91.5 73.1 73.1 75.2 82.3 24.6 71.6 72.3 73.1 ۳ ۸۱ 86.5 72.3 72.3 75.2 97.2 69.5 91.5 91.5 82.3 82.3 97.2 73.1 ۸۱ ۲ 5.96 73.1 75.2 97.2 6.16 98.6 86.5 97.2 69.5 69.5 72.3 97.2 69.5 86.5 97.9 98.6 98.6 98.0 98.6 98.6 98.6 97.2 98.6 75.2 82.3 86.5 71.6 73.1 91.5 96.5 73.1 97.2 73.1 24.6 69.5 35.1 12.3 6.96 96.5 6.96 96.5 73.1 82.3 95.0 96.5 96.5 73.1 73.1 90.1 96.5 96.8 96.3 93.7 95.7 95.7 2 NO CEILING 18000 > 20000 12000 80 (FEET) 000 000 000 800 1000 2000 4500 3200 2500 1800 1200 88 88 88 88 AI AI AI AI ALAI ALAI ALAI AI AI AI AI AI AI MIM MIM AI AI AI AI 11 11

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

BARBERS POINT, HAWAII

HOURS (LS.T.)

≥
VISIBILITY
<u> </u>
S
5
S
VERSUS
器
5
$\underline{\mathbf{o}}$
CEILING
≓
$\ddot{\mathbf{U}}$

BARBERS PUINT, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	۰ ۸۱	20	4	e Al	> 2%	7 1	۲۱ ۲۷	¥1 Y1	Ā	× Al	*	Z Al	≥ 5/16	N NI	O AI
	3 0	4.20	62.4 72.8	4.24	4.29	62.4	45.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.
							*	•	73.8	73.	73.	73.	73.	73.	73.8
	•		73.8	73.8	73.8	73.8	73.8	73.8	•	73.	73.	73.	73.	73.	73.
-	80	73.8			73.8	73.8			73.8	73.8	73.	73.	73.	73.	73.
-	~		75.2	75.2	5	75.2	75.		75.2	75.2	75.	75.	75.	75.	75.
	N	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.	73.	75.2	75.2	15
	0		5	75.9	3	78.9	75.		75.9	75.9	75.	75,	75.	75.	75.
	0	•		78.0	9		78.	•	78.0	78.0	78.	-	-	78.0	78.
	0	78.0	78.0		8	8	1		78.0	78.0	78.	78.	78.	78.	78.
1	0				78.0		78.	78.0	78.0	78.0	1	_	-	-	78.
	4		79.4		6	6		79.	•	79.4	6	79.	-		79.
1	N	87.2	7.		7.		87.2	87.	87.2	87.2	87.2	8	8	87.2	87.
	4	89.4	89.4	89.4	6	6	0	89.	6	89.	89.	89.	89.	89.	
1	-	1.06		0	90.1		90.	.06	0	90.	90.	90.	90.	90	90
	0		93.6			93.6	93.	93.	93.6	93.	93.	93.	93.	93.	93.
1	0	6.70			6.76	6.16	97.	97.		97.9		0		45.00	
	3		66.3		6		.66	.66	6	.66	.66	.66	66	99.	66
1	-		6		6		.66	66		.66	66	66	66		.66
	100		99.3	6	66.3	99.3	99.3		99.3	.66	.66	99.	.66	99.	
1	3	66.3	6	66.3	66.3	99.3	.66	99.3	0	99.3		Q.	99.		66
	~			•	100.0		100.	100.	100.0	100.	100.	100.	-	-	100.
	2		00.00	100.00	100.0	100.0	-	100.0	100.0	100	100	100	-	100	1000
	m		00.00	100.0	100.0	100.0	100.0	100.0	100.0	100	100	100		-	100
	•		100.00	100.0	100.0	100.0	-	100.0	100.0	100	100	9	2	-	100
	m	99.3	00.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100.0	-	100.
w.	m	99.3	00.00	100.0	100.0	10000	100.0	100.0	100.0	100.0	100.0	100	100.0	-	100
	m	99.31	00.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.
1		99.3	0.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.0	10000	100
	-	99.3	00.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1000		10000	100.0	100.
1	-	66.3	00.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1000		0100.0	10000	100
	~	99.3	00.00	100.0	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINTS HAWAI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MUMB

٨١ 84.4 86.66 83.0 92.2 89.3 86.5 97.9 ۸۱ 84.4 92.2 97.2 66.66 77.3 83.0 84.4 84.4 86.5 97.9 98.6 83.0 66.3 866 92.2 6.26 78.0 86.3 1.08 92.2 2 5/16 83.0 86.66 80.1 92.2 98.6 99.3 66.66 84.4 86.5 ٨١ 83.0 83.0 98.6 99.3 99.3 99.3 84.4 92.2 84.4 84.4 6.76 80.1 92.2 86.5 Al 92.2 98.6 92.9 6.66 66.66 66.3 92.2 92.2 8.66 20. ٨١ 66.3 83.0 E.66 92.2 86.5 92.2 66.3 92.2 E . 66 ٨١ VISIBILITY (STATUTE MILES) 83.0 92.2 6.46 98.6 66.3 78.0 66.3 86.66 99.3 83.0 84.4 86.5 77.3 84.4 84.4 92.2 92.2 92.9 99.3 66.3 99.3 80.1 7 7 98.6 99.3 99.3 83.0 83.0 92.2 92.2 99.3 92.2 2.16 92.2 66.3 86.5 84.4 84.4 97.2 98.6 92.2 6.66 77.3 83.0 84.4 6.26 66.3 78.0 86.5 92.2 6.46 99.3 8.66 6.66 77.3 98.6 99.3 99.3 80.1 7 4.49 92.9 98.6 98.6 86.5 98.6 92.2 92.2 92.2 ٨١ 65.6 98.6 84.4 98.6 97.2 98.6 86.5 83.0 6.16 98.6 98.6 40.0 78.0 84.4 9.86 98.86 98.6 98.6 ۳ ۸۱ 2.76 98.6 98.6 98.6 78.0 83.0 84.4 98.6 98.6 ٨١ 98.6 83.0 92.2 97.2 98.6 98.6 86.5 35.5 78.0 AI 2.26 78.0 83.0 98.6 98.6 84.4 98.6 92.2 92.9 98.6 66.3 84.4 98.6 80.1 98.8 9.86 98.6 86.9 AI 98.6 92.2 98.8 2.16 78.0 83.0 92.2 6.16 9.86 98.6 98.6 98.6 84.4 84.4 86.5 92.2 98.6 98.8 98.8 98.6 98.6 80.1 NO CEILING (FEET) VI VI 0008 0008 0008 0008 × 20000 12000 000 000 000 3500 80 800 700 800 900 4500 2000 1500 90 88 88 88 88 AI AI AI AI AI AI AI AI 11 11 AI ALAI AI AI

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	1						VIS	IBILITY (SI	VISIBILITY (STATUTE MILES	ES)						
(FEET)	0 1	9	N AI	4	E A1	Y 2%	7	۲۱ کا ۱۲۸	N 1%	Ā	% Al	* 11	× AI	2 5/16	N N	O AI
NO CEILING	79.4	19.4	19.4	79.4	79.4	79.4	79.4	79.4	79.	79.4	79.		79.4	6	79.4	79.4
2000	1	0	83.0	83.0		+	3.	83.0	83.0	3	83.			83.	83.0	83.0
V 18000	3	0	83.0	83.0	83.0		83.0	83.0	_	83.0	83.0	ë		83.	83.0	83.0
	1	а	83.0	83.0	83.0		63.0	83.0	83.	83.0	83.	83.0	3.	83.	83.0	83.0
	3		83.0	83.0	83.0	5	83.0	83.0	83.0	83.0	83.	83.0	3	83.0	3.	83.0
≥ 12000			83.0	83.0	3	83.0	83.0	83.0	83.0	83.0		3	3	3	3	83.0
	84.4		84.4	84.4			84.4	84.4	84.4	84.4		84.4	84.4		84.4	84.4
000	84.4		8	84.4	84.4	84.4	84.4	84.4		84.4	84.4	84.4	84.4	84.4	84.4	84.4
1	85.1	-	85.1	85.1	5		85.1	85.1	85.1	85.1	85.1	85.1			85.1	85.1
1 7000	85.1		85.1	85.1			85.1	85.1	85.1	85.1		85.1				85.1
1	85.1	-	85.1	85.1		85.1		85.1		3	85.1	85.1	85.1	85.1	85.1	85.1
2000	85.1	-	85.1	85.1		3.	85.1	85.1	85.1	85.1	80	85.1				85.1
	92.2			2.	2.	2.	2.		92.	2.	92.	2.	2.	2.	2.	92.2
0004 AI	94.3	6.46	64.3	6.46	6.46	94.3	94.3	94.3	94.3	94.3	94.3		94.3	6.46	94.3	94.3
1	94.3	m		4.	*	3	*		94.	*	94.	*	*	94.	;	94.3
> 3000	95.0	0		95.0	95.0	95.0	95.0	95.0	95.0	3	95.	95.0	95.0	95.	95.0	95.0
≥ 2500	61.6		6.26		97.9	97.9	97.9	97.9	97.	97.9	61.6	97.9	97.9	97.9		97.9
	98.6			98.6	8	8		8	.86		98.	8		8		98.6
	98.86			98.6	8	98.6		98.	.86		.86	8	8.			98.6
2 1500	98.6					99.3		6			.66			6	99.3	99.3
> 1200	98.6			€.66	.6	66.3	66.3	.66	.66	99.3	.66		99.3		66.3	99.3
1000	98.0		100.00	100.00	100.0	100.0	100.0	100.	100.0	100.	100.0	100.0	100.0	100.0	100.0	100.0
8 AI	98.0	w.		100.00	100.0	100.00	0	2	10000	100.0	100.0	10001	100.0	100.0	100.0	100.0
008	98.6			100.00	100.0	100.0	100.0		100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
	9.96		100.01	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	10000	100.0
98	98.8		100.001	100.00	0			100.0	0		100	100.0		0	100.0	100.0
	98.6		100.001	0.00	100.0	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0
× 400	98.6		•	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.6		100.001	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.00	100.0
2 200	98.6		100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92	98.6	86.3	100.001	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
٨١	98.6	-	0000	0000	1000	100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

0

141

BARBERS POINTS HAWAIT

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		2	7	1 15	1	9	00	80	0	0	0	0	8	3	4	0	0	-	7	0	m	0	-	-	-	-	0	0	0	0	0	0
	٨١	7.	7		3							0							8		6	6	ċ	6	66	6	ė	ė	8	ė	ġ	
		9.	7.		-	9	2	~	1			6 8	8	6	4			1 9		6 0	3		0	0	-		50	-	-	-	-	읭
	7	7.5					7.8							2.							6						ě	•	•	3	ě	:
	ΑI	0		-	-	7	-	-	7	7		8			0		6			6					ŏ	6		Š	Š	Š	Š	0
	5/16	2.	7 "	. "	-		8	8										-		0					-		0	•	0	•	•	0
	> 2	19		30	73	16	77	11	18	78	78	80	83	92	36	66	96	98	98	66	66	66	66	66	66		0	0	8			00
		2	7 4	1 60	-	9	8					-			4		-			0					-	-	5		5	5	5	6
	Z X	1		1	3	76.	7.	2	8	8	30	0	6	2	2.	3	. 9	8	8	6	0	6	•	6	0	0			ė		ė	
		2 6		_				3									74		-		6						2	-	2	-	2	-
	*	2.				9.9				•	•	0.0				•					6	•			0	•	6.6	•	6.6	•		
	AI	91	-	-	-	7	-			7									6	6	ŏ.	0	6	0	ŏ	0	ŏ		ò		6	
	%	2.		. 4		9	8		6.	6	6.		8		4.	6.	6.		2.	0	3	0	-				0	6	0.	0.	•	
	٨١	19	7		100		-				18			92	26			86			66	0			66		66		66		66	
	-	2	1		1	9					6	•		m	4	_	_	_	2	0	6	9	-	-	-	-	•	•	•	0	0	0
	- AI		100				-	-	œ	8			1 Killiano	2.		3					6	_	6		0				6	_	6	100
MILES)		91	1	- 1	-	7	-	7	-	7	1	8	80				6			6	0		0	6	0		0		0		0	
E A	1,7	.2	3						•	•		.6					6.		1.2	•	.3	•						.9	•		.9	•
5	AI	0	-	12		10	7	77	78	78	78	80	8	6	92	66	6	86	36	6	66	6	6	6	6	6	6	6	6	6	6	
ST.	4	N	9		1	0	O	æ	0	0	0	9	8	3	3	6	0	-	2	0	e.	0		-	-	-	0	0	0.	5		0
LI	۲۱ کا	19	7 2	18	13	16	77	17	78	18	18	80	68		26		96	86	86	66	66	0	66	66		66		66	66	66	66	
VISIBILITY (STATUTE		2	1	7 16	1	. 9	30	8	0						4						m									0	0	6
>	N Al	7.	4	0				7		8	•	0		2.							.6			6		0					6	.6
	۸.	91								7											0				0		0		6		0	
	21/2		4	•		9				. 9											2									. 8	•	•
	AI	10		100	7.	20	77	77	78	78	7.8		8	8	92						66				6		66		66		66	
		~	7 "	2	1	•	æ	00	6	6	6	0	8	3	4	6	0	-	~	6	7	S	0	0	1.		8	8		3	00	8
	AI .	10		0 4		10		77		18	78	80	68	92	35	6	96	86	86	98	66	66	66			66		66	66	66	66	66
		~			1							9		5	*			0			6								4	4	*	4
	7	-	•					1.	•		8.				3		. 9		8		. 8	6	6	6	6	6	6	6	9.			
	٨١	01	- 1	- 1	1.	-	-	7	7	1		80		0	-		-		-		6	- 1	0		0		0				0	- 1
	5	2																				•		•		•	•	•			•	•
	Al	20	2,		78	70	77	77	78	78	78	80	8	92	92	6	96	96	86	86	86	66	66	66	66	6	66	66	66	66	6	66
		~	9.		VF		80	8	0	0	0	4	00	m	3	0	00	0	0	0	-	80	6	0	0	0	0	0	0	0	0	0
	٨١	67	9:				1	7	18	8	8	0	68	32	25	3	9	7	8	8	8	8	86	8	98	98	66	66	66	66	66	66
		2			1																											
	2		-		-			_	-																					•	•	•
	ΑI	67	-		-	-	2	-	1	7	-	30	100	0	6	0	6	0	6	0	0	5	6	6	6	0	6	6	0	3	0	0
		9			1.		-	-		_		_			-	-	_				0		-		-							
CEILING	EET)	CEILING		909	1	1200	000	9000	800	7000	9	2000	4500	90	3500	3000	2500	2000	180	1500	1200	8	8	800	2	8	8	4	30	200	8	
	•	Q ^		1		1 11	1	AI		A	٨١	A	٨	A		M		IAI	٨١	AI	AI	۸I	Al	۸ı	٨١	۸ı	AI	AI	AI	AI	ΑI	AI
		_	_													_			_													

O

TOTAL NUMBER OF OBSERVATIONS

02 HOURS (1 S.T.)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINT, MAMAIL

7	CEILING	A.						VIS	SIBILITY (S.	VISIBILITY (STATUTE MILES	(ES)						
	FEET)	2	9 Al	\$0 Al	4	e VI	Y 2 %	2 41	۲۱ کا ۱۳	71	71	X Al	* 1	% AI	5/16	% Al	0 2
2 ^	NO CEILING	63.9 63.9 63	63.9	63.8	63.9	63.9	63.9	63.9	69		63.	69	6 63 .9	63.9	63.9	63.9	69.6
	- 1	9.1.	11.0	4	71.0	4	11.0	1	1	-	1		-	-	4.		
A1 A	16000	9.7.	1.0	11.0	71.0	71.0	2.50	11.0	41.0	9.7.6	::	-17		7:10	11.	21.0	
1	100	-	1		71.4	7.16	1	7	-	1	7:	7.	71.	1.	7:	7:	71.6
111	12000	76.8	14.		76.8	76.8	76.8	76.8	76.	76.8	76.	8 76.	8 76.8	-	76.8	76.8	76.8
٨١)	79.6	79.4		79.4	79.4	79.	79.	79.	79.	79.	-	19.4		79.	79.	79.4
ΛI	0006	81.3	81.3	81.3	81.3	81.3		8	81.3	81.3	81.			81.3			
٨١	8000	81.3	81.3	81.3	81.3	-	81.		81.3	-		81.		81.3			81.3
۸ŧ	2000	81.3	81.3	81.3	81.3	81.3	81.		81.3	81.3		81.		81.3			
٨١		81.3	81.3		81.3	-	81.	81.		81.3		:		81.3			81.3
٨١	2000	83.2	83.2	83.2	83.2		83	83.		83.2	83.	83.		3.			83.2
٨١		91.6	91.6	•	91.6		91.	-16	.16	91.	0	91.	16	91.	91.	91.	91.6
M	4000	94.8	8.46	94.8	94.8	94.8	94.	96	94.	94.8	0	94.	1	94.		94.	94.8
٨١		94.8	94.8		*	. 96	94.	.76	94.	.46	94.	94.	94.	•	94.8		94.8
M	3000	94.8	94.8		94.8			. 76	94.	94.	94.	. 96	94.	0	94.8	94.8	94.8
AI	2500	98.7	98.7			98.	8	.86	.86	.86	98.	7 98.	7 98.7			7.86 7	98.7
۸١	2000	100.0	100.0		0	100.0	100.	100	100.	100.	100.	100.	100.	100.	100	100.	-
Al	1800	100.0	100.0	100.0	100.0	7	100.0	-	10	-	100.		0100.0	100.0	100.	100	100.0
٨١	1	100.0	100.0		0	-	100.0	100.	100.	100	100.	100	100	100.	-	100	-
ΑI	1200	100.0	100.0			100.0	100.0	100.0	100.0	-	100.	100	0100.0	100	100.	-	-
٧١	1000	100.0	100.0		100.0	-	100.0	100.0	100.0	100	100.	100.	100	-	100.	100	-
A1	8	100.0	100.0	100.0	100.0	100.0	100.0	10001	100.0	1000.0		100	100	1000		100	100
٨١	800	100.0	100.0		100.0	u	100.0	100.0	0	-	9	100	100	0.001	0	100	100.0
VI	700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-			100	0001		001	100.0
۸ı		100.0	100.0		100.0	O	0	-	100.	100.0		100	0100.0	100.0	0	-	100.0
۸ı	200	100.0	100.0	100.0	100.0		0	-	100.0	-	100.	100	100	0.001		100	100.0
٨١	400	100.0	100.0		-	100.0	100.0	-	100.0	100.0	100.		0100.0	100.0	100.0	100.0	100.0
٨١	38	100.0	0100-0	100.0	100.0	100,0		100.0	100.0	-	1001	100	0100.0	1000.0		100	100
۸۱		q	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.	•	0100	0.001	100.0	10000	100.0
AI.	8	100.0	100.0	100		-·	100.0		-	100.0	100.	0100	8	100	100.0	0000	100
`'		q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.001	100.	•	010010	1001	100	10000	1001

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWAII

...

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

HOURS (L S.T.)

CEILING VERSUS VISIBILITY

BARBERS POINT HAWAIT
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		4	7	7	7	7	M	0	0	20	80	N	7	1	P	-	-	00	7	1	0	0	0	0	0	0	0	0	0	0	0	3	0
	٨١	57	67	67	67	67.	70	71.	72	74.			78	87.	89	89	89	96	98	98	00	00	00	00	00	00	00	00	00	00	00	00	00
		4	-	-	-	-	2	9	6	00	00	2	7	7	1	1	1	œ	-	1	3	3	-	5	3	5	9	3	O	8	5	5	0
	AI X	57.			67	67.		71.	12.	*	74.	75.	78	87.	89		89	96	98	98	00	0	00	0	00	00		00	00	è	00	ò	00
		4	7	-	1	7	6	•	6	00		2		1	~	1	7	8	7		30	-	-	-	-	-	-	20	010	3	30	30	010
	5/16	7.	1	7	7.	7.	.0	1.	2.	4.		5.	8			.6		9	8	8	0	0	0	.0	0	0	0	0	0	0	0	0	0
	Al	5	9	•	9	9		1	-	-		1	-	œ	8	8	00	0			20	20	-	10	2	20	-	10	10	2	2	20	10
	2		3				.3			8 . 1		5.5		1.7	1.7						0	.0				0.0		000	.0	0:		0	0:0
	Αi	3	9	0	9	67	~	2	72	2	1	-	7	80				96					0	0		0	0		10	ĕ	ĕ	001	201
	*	*	-	7	.1	-	.3	9.	6	8	8		-			1.			. 1	1	0							0	0	0	0	0	0
	Al	57	67	67	67	67	20		72		74	75		87	89	89	89	96	86	98	0	0		8	8	8	8	8	8	8	8	8	8
		*	7	-	1	-	19	9	0	00	00	5	-	~	-	-	1	00	7	-		6		6	0	9	5	0	5	5	6	0	5
	<i>ا</i> ر	57.			67.	67.	0	71.			74.	75.	78	37.	68	39.		96	98	98	00	è	00	0	00	00	00	00	00	00	00	0	00
		4	-		-			٠.		8			-	~	-	-	-	80	~		10	-	-	1	-	0	-	70	20	3	30	50	50
	-	7.	2	-	7	7.	0	-	2.	*	*	5		-	6				00		0	0	0	0	0	0	0	0	0	0	0	0	0
(Sa)		20	9	0	9	9	7	-	7	7	~	7		30	8	8	8	6		6	10	10	10	10	10	20	10	10	10	20	10	10	10
VISIBILITY (STATUTE MILES)	7.1	\$	-	:		1.	3.3	•	6.	4.8	. 8	5.5	•	7.7	9.7	2.7	7.7	6.8		3.7	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	000	0.0	0.0
ATUT	Al	57	9	•	9	67	ž	7	-	7	7	7	7	8		8	8	6	6	9	100	ĕ	100	ĭ	100		0	100	100	100	100	ĭ	100
(ST,	11%	3.	-	-	-	-	0	9.	6	30	8	3	. 1		1		1.	00	-		0	0	0	0		0		0	0	0	0	0	0
TI I	AI.	57	67	67	67	67	70	71	72	74	74	75	78	87	-		89		98	96	00	8	0	00	00	00		00	00	00	00	00	00
VISIE		3	-	-	-	-	3	0	5	00	80	50	7	1	-	-	-	æ	-	-	3	3	0	0	0	0	0	0	0	3	0	0	2
	٨١	57	27		67.		70.	71.	72.		74.	75	78	87.	89		89		98	86	00	00	00		00	00	00	00	00	00	9	00	00
		4	7	-	1	7	6			80	20	2	-	-	-	~	-	80		-	-	-	0	-	-	010	-	010	0	0	0	5	0
	21/2	-	7	-	7.	7.	0	•	2.			5	8		6		6		8	8	0		0	0	0	0	0	0	0	0	0	0	0
	٨١	R.	9	9	9	9		-	-	-		1		8	00	20	30	6		6	10	10	20	10	01	10	10	10	10	10	2	10	10
		7.4	3	-		7.1	.3		2.9	8 .	4.8	3.5	8.1	1.7	9.7	1.1	7.6	8.6	8.1	3.7	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.0
	Al	5	0	9	9	.0	7	7	-	7	7	-	28	80			60		6	36	100	0	100	100	100	100	100	100	100	100	201	100	100
		4.	-	-	-	-	3	9.	0	00	80	3	. 1					00	-		0	0	0	0	0	0	0	0	0	0	0	0	0
	ΛI	57	67	67	67	67	70	71	72	74	74	75	78	87	89		8	96	96	86	00	0	00	0	00	00	0		00	00	00	00	00
		4	-	-	-	-	m	0	0	~	7	00		-	0	0	0	-	4	-		4	-	4	41	*	4	4	3	4	3	4	4
	AI	57.	7	57.	37.	.7	70.	71.	12.	74.	74.	74.	77.	37.	66	39.	39	36.	17.	98	39.	6	6	39.	.66	39.	39.	66	66	39.	66	66	66
															-																	-	
	•					7.		1.6	2.	*		4.	7.																			8	
	ΛI	50	9	9	0	0	1	7	1	1	-	1	-	00	33	8	80	0	0	0	0	0	0	0	6	6	0	6	0	0	0	6	0
1	0							9	6	~	2	*	4.		3	3	4	00		8	•	8	8	3	00	20	8	00	30	00	8	00	8
	ŽĮ.	57	67	67	67	67.	70	7	72	74	74	74	77	36	88	88	8	36	96	96	96	96	96	96	96	96	96	96	96	96	96	96	90
		0		_						-			-	-		-			-			-				-				-	-		_
CEILING	ET)	CEILING	8	18000	9009	14000	2000	10000	000	8000	2000	9009	2000	1500	4000	3500	3000	2500	2000	800	1500	200	100	8	800	700	900	800	400	38	200	8	0
CEIL	E	0	٨١		٨١	AI		VI			VI.		٨١		٨١		۸I		٨١		AI		٨١	٨١	٨١	AI	٨١	AI	٨I	٨١	AI	AI	٨١
		Z																															

TOTAL NUMBER OF OBSERVATIONS

BARBERS PUINT, HAMAII
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0

0

0

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	۰ ۸۱	SS AI	4	es Al	1 2%	۲۵ ۱۸	۲۱ ۱۳	71	<u></u>	% Al	*	× Al	≥ 5/16	× Al	٨١
NO CEILING	1.0	45.2	45.2	45.2	45.2	5	45.2	S.	45.2	100	45.2		45.2	45.2	45.2	45.2
× 20000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	2	57.4	57.4	57.4	57.4	57.4	57.4	57.4		57.4	57.4	57.4	•	57.4	57.4	57.4
2 16000		57.4	57.4	57.4	37.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	-	57.4	57.4
	2	57.4	57.4	57.4	57.4	57.4	57.4	7.	57.4	57.4	57.4		-	-	57.4	57.4
2 12000	•	61.3	61.3	-	61.3	61.3	61.3	61.3	61.3	61.3	61.3		61.3	61.3	61.3	61.3
1 -	-	63.2	53.	3		63.2	3.			3.	63.2		3	63.2	63.2	63.2
0006	:	64.5	64.5	64.5	64.5	*	64.5	64.5		64.5	*	*		;		64.5
1	-	69.2	55.		65.2	3	5	5	65.2	5.	65.2	65.2	65.2	65.2	3	65.2
1 1 1000		65.2	55.	5	2				3	65.2	47	2.		5	2	
1		65.2	65.2	3	65.2	65.2	65.2	65.2		65.2	65.2	65.2	3	65.2	65.2	65.2
2000	m	68.4	58.				8	8	•	8	8	8	8	8	8	
1	-	83.9	33	60		83.9		3	3	3	83.9			83.9	83.9	83.9
1 4 1		86.5	86.5			86.3	. 9			•		9		9	86.5	86.5
1	-	87.7	87.	-			1.	87.7	87.7		87.7	87.7	-	87.7	87.7	87.7
3000	-	89.7	89.7	1.68		89.7	89.7		6	6	6	6	6	6		89.7
1	m	98.1	98.1		98.1	80					98.1		8			98.1
7000	30	98.7	4.66			4.66	4.66		4.66	4.66		4.66	4.66			
1	3	98.7	4.66		4.66	6		6			4.66	4.66	4.66	4.66	4.66	4.66
1500	00	98.71	00.01	0	100.0	100.0	100001	100.0	100.00		100.0	100.0	0	100.0	100.001	00.00
1	8	98.71	00		100.0	100.0		100.0	100.0	100.0	100.0	100	0		100.001	0000
100	00	98.71	00.00	0		0			100.0	100.0	100.0	100.0	100.0	100.0	100.001	00.00
0%	900	98.71	.00		0.001	100.0	100.001	100.0	100.0	100.0	100.0	0	0	10	0	0.001
08	200	98.71	00.00	00.00	100.0	100.0	100001	100.0	0.0	100.0	100.0	100.0		-	0000	00.00
	2	98.71	00.00	0.00	100.0	100.0	10000		100.0	100.0	100.0	0	100.0	10	10000	0000
8	100	98.71	.00	100.00	100.0	100.0	100.0	100.0	0.0	100.0	100		0	100.0	100.00	0000
	30	98.71	00.00	100.00	100.0	100.0	100.001		100.0	100.0	100.0	0	100.0		100.001	
141	33	98.71	00.00	0	100.0	100.0	100.0	100.0	100.0	100.0	100.	100.0	100.0	10000	10000	0000
	-	98.71	00.00	10000	100.0	100.0	100.0	100.0	100.0	100.0	0	0	100.0	100.0	100.0	0000
7 200	8	98.71	00.00	00.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0000
VI 8	7.86	98.71	00.00	00.00	100.0	10000	10001	100.0	100.0	10000	100.0	100.0	100.0	10000	0.001	0.00
	000	98.71	0000	0.00	100.0	100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0000	0001

0

0

TOTAL NUMBER OF OBSERVATIONS

....

		1	
1		4	
1		1	
-	2	e	
		7	
		,	
		,	

BARBERS PUINT HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

98.1 98.1 ٨ 619 87.1 619 610 89.7 89.7 92.9 74.2 1 ٨١ 4.89 4.89 98.1 4.89 61.9 87.1 74.2 92.9 619 89.7 89.7 2 5/16 4.89 68.4 87.1 65.6 89.7 61.9 61.9 61.9 74.2 98.1 98.1 19.7 89.7 AI 6.26 4.89 87.1 74.2 61.9 89.7 * 87.1 98.1 4.89 74.2 89.7 92.9 61.9 68.4 89.7 ٨ł 74.2 65.6 89.7 61.9 87.1 68.4 89.7 98.1 ۸۱ VISIBILITY (STATUTE MILES) 68.4 87.1 61.9 4.89 4.89 89.7 61.0 4.89 89.7 92.9 65.8 67.7 98.1 74.2 V 1% 4.89 6119 4.89 87.1 87.1 67.7 4.89 61.9 4.89 74.2 89.7 89.7 98.1 65.8 92.9 92.9 74.2 6119 87.1 68.4 98.1 61.9 4.89 4.89 4.89 67.7 7 61.9 87.1 61.9 68.4 92.9 92.9 92.9 68.4 74.2 98.1 68.4 89.7 89.7 1 2% 61.9 1.86 87.1 4.89 68.4 4.89 74.2 89.7 89.7 89.7 ΔI 98.1 87.1 61.9 68.4 89.7 61.9 67.7 68.4 68.4 ٨١ 98.1 61.9 4.89 68.4 4.89 89.7 6.76 87.1 89.7 61.9 74.2 67.7 ۸۱ 61.9 61.9 98.1 4.89 4.89 4.89 67.7 68.4 87.1 1.68 89.7 92.9 61.9 74.2 65.8 ٥ ۱۸ 4.89 4.16 87.1 74.2 61.9 619 6.19 65.8 4.89 4.89 4.89 89.T 92.9 89.7 47.1 1.10 NO CEILING × 20000 18000 Y 14000 9000 8000 2500 1800 1200 88 809 8 8 (FEET) 5000 4500 4000 3500

AI AI

AIAI

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

80

AI AI

300

MIMI

MIMI

MIAIA

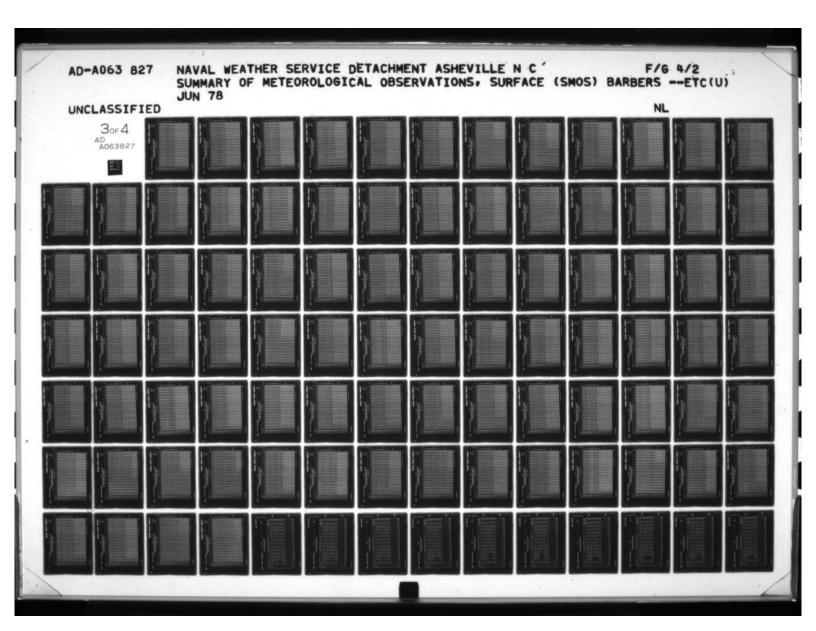
AI AI

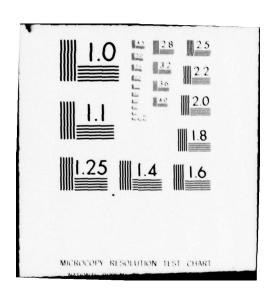
ALAI

AI AI

ALAI

ALAI





....

CEILING VERSUS VISIBILITY JAN 68

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.)

	-								-			1						
CEILING							VIS	IBILITY (VISIBILITY (STATUTE MILES)	MILES)								
(FEET)	N 2	9 Al	\$ 1	4	e Al	≥ 2%	N N	VI %1	YI XI		-	AI	* AI	ĀĪ	% VI	5/16	× Al	AI
	51.	51.	-	51.0	91.0	51.0	51.0	51.	-	0	1.0	51.	51.	0 51	0.	0	51.0	51.0
≥ 20000	99	64.	64.5	64.5	64.5	64.5	64.5	64.	5 64.	5	4.5	;	5 64.	5 64	5 64		64.5	64.
	64.	64.	4.	64.5	64.5	64.5	4.	64.		5 6	4.5	4	5 64.	99 6	.5 64	. 5	*	64.
V 16000	99	64.	64.5	64.5	64.5	64.5	64.5	. 49	5 64.	5	4.5		5 64.	5 64	.5 64		64.5	64.
	65.2	65.	65.2	65.2	65.2				0	2 6		65.	0	2 65	9	.2		65.2
× 12000	69.0	69	69.0	69.0	69.0	69.0	0.69	69.	69 0	9	0.6		.69 0	69 0	69 0.	0	0.69	69.6
	70.3	70.	0	70.3	70.3		0		_			0	-	3 70	.3 70	.3		70.
000	71.0	71.	71.0	71.0	71.0	71.0	71.0	71.	0 71.	7	1.0	71.	0 71.	0 71	.0 71	0	71.0	71.0
	71.0	71.	-	71.0	71.0		-			0 7	1.0	-	2	0 71	.0 71	0		71.0
700	71.0	71.	71.0	71.0	71.0	71.0	71.0	71.	0 71.	7	1.0	71.	0 71.	11 0	.0 71	0	71.0	71.0
1	71.0	71.	-		71.0		-			0 7	•	-	-	17 0	0 71	0	71.0	71.0
2000	76.8	76.	76.8	76.8	76.8	76.8	76.8	76.	8 76.	7	8.9		8 76.	8 76	.8 76	. 8	16.8	76.
	92.3	92.	92.3	92.3	92.3		2.	3.		3	2.3	2	3 92.	3 92	.3 92	.3		92.
9 1 A I	93.6	93.	93.6	93.6	93.6	93.0	93.6	93.	6 93.	9	3.6		6	6 93	6 93	0	93.6	93.6
	94.2	94.	94.2		94.2	94.2	4		2 94.	2 9	4.2	*	0	76 2	0	.2	94.2	94.
300	94.2	94.	94.2	94.2	94.2	94.2	94.2		2 94.	2 9	4.2		2 94.	7 34	.2 94		34.5	94.
1	98.1	98.	98.1	98.1	98.1	98.1	98.1	.86	1 98.	1 9	8.1	.86	. 86	1 98	1 98		1.86	98.
7 2000	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0100	010	0.0		100	0010	0100	100	00.00	100
	100.0	00	100.0	100.0	100.0	100.0		100.	0100	010	0.0	100	100	0100	0100	0.	00.00	100
1500	100.0	00	100.0	100.0	100.0	0.001		100.	0100	-	0.0		0100	0100	0100	900	00.00	100
1	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0100	010	0.0		2	0010	.0100	0	00.00	100.0
1000	100.0	00	100.0	100.0	100.0	100.0		100.	0100	-		100	0100	0010	0100	0.0	•	1000
	10000	00	100.0	100.0	100.0	100.0	100.0	100.	0100	010	0.0		0100.	0010	0100	0.01	00.00	100
8 AI	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0100	-			0100	0100	0100	6	00.00	100
	100.0	.00	100.0	100.0	100.0	0.001	100.0	100.	0010	010	0.0		100	0010	0100	100	00.00	100
8	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0100	010	0.0		0010	0100	0100	0.0		100
	100.0	00	100.0	100.0	100.0	0.001	100.0	100.	0010	010	0.0	100.	0100	0010	.0100	10.0	00.00	100.0
V 40	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0010	010	0.0	1001	100	0010	0100	0.0	00.00	100
	100.0	.00	100.0	100.0	100.0	100.0	100.0	100.	0010	010	0.0	100.	0100	0010	.0100	10.0	00.00	100
7 200	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0010	010	0.0	100	0100	0010	.0100	10.0	0.00	100
W 41	100.001	.00	0100.0	100.0	100.0	100.0	100.0	100.	0010	010	0.0	100	100	0100	0100	100	0.00	000
٨١	100.0	00	100.0	100.0	100.0	100.0	100.0	100.	0010	010	0.0	100	100	0100	0100	0.0	00.00	100

0

TOTAL NUMBER OF OBSERVATIONS

3

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME	
PERCENTAGE	PERCENTAGE FREQUENCY OF OCCURRENCE
T WOOD	FROM HOLIRIY ORSFRVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

		91	1	. 4	0	7	8	-	-	-	-	0	3	8	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
	٨١			8	6	*		8	8	8	8	0	2.	;	3	9		0	0	00	00	00	00	00	00	0	0	0	0	0	00
	A.	0	9	0.0	0	-	1	-	-	-	-	8	6	0	0	0	10	10	10	10	10	10	2	2	20	20	10	10	2	9	22
		01	1	4	0	7	8	7	1	7	7	0	3	8	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
	AI X	-1	-	8	0		0	8		8		o	2		10	0	00	00	00	00	00	8	8	00	8	8	ò	0	0	0	00
		0 4		0.0	9	-	-	-	-	-				5			-	-	-	-	-	-	-	-	-	-	2	2	2		22
	91	01			0	.2	.8	-	.1		-		.3	. 8	.5	. 8	0.	0	.0	0	0	0	•		•	0	•	0	0	0	00
	\$/16	75	1	8	0	4	9	8	8	8	8	80	36				00	00	00	8	8	8		8	8	8	8	8	8	00	88
	Al	0 4		, 0	9	,-	•		-		•	_					-		-	-	-	-	-		-	-	-	-	-	-1	-
	×	0.	1			.2	8.	-	7	-	-			8	.5			0		0	0	0	0	0	0	0	0	0	0	9	00
	Al	37		99	69	14	16	18	18	18	2	80	26	34	95	96		8		8		8	8			8		8		8	88
		10			0	-	-		_	_	_	_					-	3	70	3	-	-	-	-	-	-	-	-	-	-	50
	*							•	-		-																		•		•
	Al	20	3	89	69	74	76	78	78	78	78	80	92			96	00	8	00	8	8	8	8	8	8	8	8	8	8	8	88
		40	-		0	2	0	-	1	-	-	0	3	m	5	30	-	3	10	-	3	-	-	0	-	6	-	6	-	5	55
	*	•	1		:		•		8.	•	•	•		•														0	•	•	00
	Al	9	9,1	0.00	3	7	76	7	78	78	78	80	92		95		00	8	00	8	8	8	8	8	8	8	8	ŏ	8	8	00
		10	F	- 4	0	2	8	-	1	-	-	0	3	80	2	80	6	0	70	3	3	3	5	3	6	6	3	3	3	3	00
100	-	-	9,		6	;	.9		. 8			0				. 9		•	0			0	0	0	0	0		0	0	0	00
8	Al	0	9	0 0	9	-	2	7	7	2	-	8		6	6		ŏ		ŏ	00	ŏ	O	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ		ŏ	ŏŏ
VISIBILITY (STATUTE MILES)		01	1	- 4	0	7	8	-	1	-	-	a	3	8	8	8	8	0	6	6	5	6	6	0	5	0	3	0	8	0	66
- L	1%		1.		6	3	9	8	8.	8		0	2.	*	5	.0	0	0	0	0		•	0		0	0	0	0	0	0	00
5	ΛI	0	0	0	0		7	-	7	-	-	8	0		0		0	O	001	001	001	001	001	001	80	80	2	001	0	9	00
(\$1,		0.1	1	- 4	0	2	8	-	-	-	-	ō	113	8	30	8	0	O	0	0	0	0	ā	O	ō	C	O	0	0	0	00
È	1%	-1	-	. 8	6			8	8	8	8	0	2	4	3.	6.	0	0	0	0	0	0	ò	0	00	0	0	00	0	0	00
1	A1	0	9	0 0	0	-	~	7	7	-	-	8	0	0	0	0	07	10	100	10	10	10	100	10	2	100	100	01	2	9	00
VISI		01	1	- 4	0	2	00	-	7	-	-	a	3	8	8	8	0	0	0	0	0	0	0	0	0	0	0	O	0	O	00
	7		7	- 80	0	4	0	8	8	8		d			is		0	0	00	a	0	a	o	a	ò	a	0	a	0	a	00
		0	9	0.0	0	7	-	7	7	-	-	œ	0	0	6	0	10	10	10	10	10	10	10	10	10	2	10	2	10	9	22
	4	2.	1	. 1	9	2	8	. 1	7.	-	-:	0		. 8	30		0	0	0	0	0	0	0	0	•	0	0	0	0	9	00
	2 2%	75	1	000	69		0	8	00	8	80	80	35	*	95	9			00	00	00	00	00	00	00	0	00	00			00
		0					1-	-	-								10	~	-	-	-	-	-	-	-	-	-	-	-	≅	33
		81	1		9	.2		-	.1	-	-			. 8	S		0	0	0	0	0	0		0	0	0	0	0	0	9	50
	Al	30	75	- 89	20	74	20	78	18	18	2	80	92		95	96	00	00	00	00	8	00	8	00	00	00	00	00	00		88
							-		•	•	-						~	-	-	7	-	0	-	-	6	-	-	7	0	₹.	33
	-		4						-	-	-	0			.5		.0		.0				0	0					•	•	
	A1	01	3,	9	-		76	78	78	78	78	80	92	76	95	96	00	00	00	00	8	8	8	8	8	8	8	0	00	0	88
		0.1		- 3	0	~	00	-	1	_	-	0	m	0	10	80	-	0	-	-	3	-	3	70	0	-	5	-	-	-	55
	40	•	9.	: -			:					:	•	:															:	:	::
	Al	2	9	6.0	69	7	76	78	78	78	78	8	92	6	6	6	00	00	0	00	0	0	0	ŏ	ö	0	8	ö	ö	ŏ	100
		01	+	- 3		~		-	1	-	L. X.O.			80		00	6	0	3	3	3	6	6	5	3	5	5	3	0100.0010	0	50
	•		•	: :						78.	78.1	-	92.	:		96.8	:	:	:		:	:	:	:	:	:	:	:	ċ	:	
	ΛI	10	0	0 9	69	14	76	78	78	7	7	8	6	6	0	6	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ō	ŏ	88
		0.1	-	- 4	0	2	00	-	-	-	-	0	m	60	5	0	3	5	8	5	8	3	8	3	3	6	5	3	5	3	00
1	0		4	-						78.	78.	0	.26		95.		:		0	6	0	0	0	0	0	·	0	0	ò	0	00
	Al	61	9	0 00	69	7	76	7	7	7	2	8	0	6	6	6	0	0	Ö	100.010.0100	Ö	100.0100.010	0	0	0	ō.	100.0100.0100	100.0100.001	100.	100.0100.010	100
		0	+		-	_	-		-		-		-			-	-	_	-		-		_		_		_			7	-
9	=	NO CEILING	1	9099	8	12000	10000	8	8	2000	9009	8	4500	8	3500	8	2500	8	1800	8	1200	8	8	8	8	8	8	8	88	8	80
CEILING	FEE	O CEILIN	1					and the last			1			Second Second								1		- 1							
2		2 1	1	I AI	A	٨١	AI	AI	٨١	M	A	M	A	M	A	٨ŧ	VI	Αł	VI	٧١	A!	VI	٧١	A)	٨I	٨I	Al	٨١	AL	Al	AI AI
			1			_				-	_	_	_	_	_	_			_		-			_	-	_	_	_		_	

400

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWAII

23 HOURS (1 S T.)

....

300 100.0100.0100.0100.0100.0100.0100.01	CEILING 20000 1500		1	V V V V V V V V V V V V V V V V V V V		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V	1000 1000 1000 1000 1000 1000 1000 100		VI 1000000000000000000000000000000000000
200 100.0100.0100.0100.0100.0100.0100.01	8 8 8	1000	0000	0000	0000	0000	9000	0000	9000	988	0000			000	9999	

TOTAL NUMBER OF OBSERVATIONS

...

CEILING VERSUS VISIBILITY

BARBERS POINT AND PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	1						VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	5 7	ø Al	No.	AI	E AI	2 2%	12	N 1%	¥1 A1	-AI	AI	*	Z Al	> 5/16	N N	0
NO CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	97.9	57.9	57.9	57.9
18000	0 00	9	1	68.1	68.1		68.1	68.1		68.1	68.1	68.1	68.1	68.1	0.00	68.1
₹ 14000		68.		68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
	-	68.		68.3	68.3	68.3	68.3	68.3	8.	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	_	72.	-	72.3	72.3	72.	2	72.3	3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	-	74.		74.3	74.3	1	74.3	74.3	74.3	74.3	74.3	74.3		74.3	74.3	74.3
000 A	-	75.		75.4	75.4	75.	75.	75.4	3	75.4	75.4	75.4		75.4	75.4	75.4
	-	75.		75.7	3	75.	75.	75.7		75.7	75.7	73.7	75.7	75.7	75.7	75.7
7000		75.		75.7	75.7	75.		75.7	75.7	75.7	75.7	75.7	3	75.7	75.7	75.7
		75.	1	75.8	3	75.	75.	75.8	3.	•	•	75.8	5	75.8	75.8	75.8
2000		78		78.6	78.6	78.	78.			78.6	78.6	78.6	8	78.6		78.6
		89.	1	90.0	0				.06	0	•	90.0		•		90.0
400		92.		95.6	95.6	92.	92.		92.6	92.6	2.	95.6	2.	2.	95.6	92.6
		92.			2.	92.9			.26	2.		2.	2.	2.	2.	92.9
3000		93	93.	93.8	93,8	93.8			93.	•	3.	3	3		93.8	93.8
		98		98.5	98.5	98.5	98.5	98.5	98.	98.5	98.5	98.5	98.5	98.5		98.5
1 2000			99.5	9.66	6	96.6			.66	6	6	9.66	6		.66	966
1		99.	1	7.66	6	99.7			6		7.66	4.66	99.7	99.7	0	1.66
2 1500		99.	.66	100.0		10	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.		100.0	100.0	-	100.0	10	100.0	100.0	100.0	10000	100.0	10000	100.0	100.0
V 1000	-	.66		100.0	100.0	100.0	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0%		99.	66	100.0	10000	100.00	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.0	100.0	100.0
00 Al		99.		100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0		100.0	100.0	100.0
		99.	66	10000	100.0	1000.0	100.0	100.0	10000	100.0	100.0	100.0		100.0	100.0	100.0
% AI		99.		100.0	-	-	10		100.0	100.0	100.0	10000	100.0	100.0	100.0	100.0
		99.		100.0	100.0	~	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
V 400		99.	- 1	100.0	100.0	1000.0	10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		.66	66	100.0	100.0	100.	100.0	100.0	100.0	100.0	100.0	10001	•	100.	100.0	100.0
N 300		99.	-	100.0	100.0	1000.0	-	100.0	100.0	100.0	100.0	1000	100.0	100.0	100.0	100.0
8	66.3		.66	•	~	•	-	100.0	10000		100.0	100.0		100.0		100.0
- 1	-	66	- 1	100.0	100.0	1000.0	100.0	100.0	100.0	100.0	1000	100	100	1000	100.0	100.0

1240

TOTAL NUMBER OF OBSERVATIONS

BARBERS PUINT, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS (LST.)

74.0 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 0.00100.0100 0.00.0100.0100.0100.0100.0100.0100.0100.0 100.010 100.0 100.010 100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.010 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.010 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 ٨١ 81.3 81.3 AI 74.0 74.0 78.0 81.3 91.3 95.3 81.3 81.3 81.3 98.7 98.7 81.3 82.7 7.46 94.7 2 5/16 81.3 81.3 95.3 81.3 81.3 81.3 82.7 91.3 91.3 81.3 94.7 94.7 2 ٨١ 81.3 95.3 74.0 48.7 81.3 81.3 81.3 82.7 94.7 ۸۱ 91.3 91.3 95.3 81.3 81.3 81.3 98.7 94. ٨١ 81.3 81.3 81.3 81.3 95.3 98.7 94. 94. ٨ſ VISIBILITY (STATUTE MILES) 81.3 74.0 7.86 95.3 81.3 81.3 81.3 91.3 91.3 94.7 94.7 0.00100.0100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 0.0010.0100.0100.0100.0100.0100.0100.0100.0100.0 7 1 74.0 74.0 81.3 81.3 95.3 81.3 81.3 98.7 98.7 94.7 94.1 17 81.3 74.0 74.0 78.0 81.3 0.9 74.0 81.3 91.3 1.76 95.3 82.7 94.7 81.3 ۲ ۸ 81.3 81.3 81.3 91.3 91.3 7.86 7.86 7.86 7 2% 94.7 94. 74.0 81.3 1.46 95.3 81.3 81.3 81.3 82.7 W VI 74.0 74.0 81.3 95.3 74.0 74.0 81.3 91.3 91.3 81.3 81.3 82.7 94.7 94.7 VI 1.46 95.3 48.7 81.3 82.7 81.3 ۸۱ 74.0 81.3 74.0 78.0 1.3 94.7 82.7 95.3 81.3 98.7 ۰ ۱۸ 81.3 2 NO CEILING CEILING (FEET) VI VI 0008 0008 0008 2500 1500 12000 VI VI 000 000 000 2000 2000 4500 88 88 88 80 × 20000 3200 1200 88 ALAI ALAI AI AI AIAI

TOTAL NUMBER OF OBSERVATIONS

HARBERS POINT, HANAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							35	VICIONITY	(CT 4 TUTE 4	MIEG								
CEILING	1										1					1	1	
(FEET)	2 1	%	VI 8	4	N Al	Y 2%	7 4	VI %1	Y1	Λſ	_	*	*	Z Al	٧٤	9	× Al	٨١
NO CEILING	69		69	69.	69.	69.	69.3	6				6	9.	0				.69
> 20000			76.	76.	76.	76.			7	7	1	76.7			7 76	7 7		76.
V 18000			76.7	7	76.	76.7		76.	1	1	. 10			76.	1	1	16.7	76.
N 16000	76.7		76.	76.	76.	76.	76.7	9	7 76.			76.7	•	-	7 76	7		76.
7 14000			76.	76.	76.	1		.9	1	1				76.	7 76	1	16.7	76.
≥ 12000	79.3		79.3	5	79.	79.		6	3 79.	3 79	.3			1	-		6	79.
		1	80.7	0	80.	80.		0	8			0	0		30	.7 8	0	
000 AI	80.7		80.7	80.7	80.	80.		80.		80		ò	ò	8			0	80.
	80.7	80.7	80.7	0	80	20	80.7	0	7 80.		1.	1.08	80.7	80.	7 80	.7		80.
7000	80.7		80.7	80.7				0				0	ò	60			ò	
		1	80.	80.	80.	80.	0	0	00	8		0	0	8	80	.7 8	0	
2000	82.0		82.0		82.		•	82.	0 82.	0 82	0	2.	2.	80			12.0	82.
		1	93.	93.	93.	93.	3.		6	0		93.3	3	93.		.3 9	3	
14	97.3		97.	0	97.		97.3		0	3 97	.3	2	-	0				97.
		1	97.	97.	97.	97.	97.	-	0		.3		7	0	3 97	.3 9	7.3	97.
300		-	97.3		97.		6	97.	3 97.		.3	-		0		.3		97.
	98.7	98.7	.86	98.	98.	96.	.86	8.	0	7 98	•			6	1 98	.19	18.7	98.
7 2000	100.01	100.0	00	100.	100	100.	100		2	0100	.0		0	2	-	.010	0.00	00
	100.0	100.0	00	100.	-	100.	100	100.	10	10	10.	00.00	0	2	10	-		8
2 1500	100.0	100.0010.001	00	100.0	100.	100.	100.	100.	20	0100	.0		0	2	0100	0	0	00
	100.0	100.0	00	-	100.0	10	-	100	-	0100	9		0	2	2	-	•	8
1000	100.0	100.0100.01	100.0	100	-	100	100.	100	10	-	0	00.00	00.00	9	9	9	00.00	00
& AI	100.0	10000	100.0	100.0	100	100.0	1000	100.	0100		6	00.00	0	001	9	-	•	8
	100.0	100.0	0	100.	100.0	100.	100	100	2	-	0		0	9	2	-	0	8
78	100.0	100.0	0	100.0		100.0	100.0	100.	0100	0100	9	00.00	00.0	9.		-	0.0	8
% ^I	100.0	100.0	0	100.	100.0	100.	100.	100.	0100	0100	0		ò	2	-	010.	0	8
	100.0	100.0	.00	1	10000	100.0	10	100.	0100	0100	9	00.00	0	2	10	50.	00.00	00
A 49	100.0	100.0	.00	100.0	100.0	100.	100	100.	10	0100	10.		0	2	-	-	•	00
	100.0010.001	10000	100.0	100.	100.0	-	-	-	0100	-	0	00.00	1000	-	0100	3	00.00	8
700	100.0	10000	.00	100.0	10	100.	100.	10	0100	0100	9	•	•	2	-	-	•	8
8	100.0	100.0010.001	0	10000	1	100.	-	100.	0100	0100	~		1000	100	0100	010.	0.00	00
٨١	100.0	100.0	00	100.0	100.0	100.0	20	100.	0100	0100	9	00.0	100.0	100	-	9	00.00	00

0

0

TOTAL NUMBER OF OBSERVATIONS

APR	MONTH	MOUNT (EST.)
73-77	YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
BARBERS DOINT, HAWAII	STATION NAME	PERCENTAGE FR (FROM HC

-

0

3

TOTAL NUMBER OF OBSERVATIONS

0 0 0 0

0

3

47

99.3

99.3 61.3

97.3

5703 CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINTS HAWAII

CEILING VERSUS VISIBILITY

*

Z Al

Ā

1 A

7 7

7

1 2%

M Al

4

N

٨١

2

(FEET)

NO CEILING

VISIBILITY (STATUTE MILES)

69.3 69.3 69.3 69. AI 0.99 0.99 86.0 85.3 85.3 ۸۱ 2 5/16 86.0 69.3 2 ۸۱ 63.3 63.3 63.3 63.3

0.89

68.0 68.0

68.0 68.0 68.0

68.0 68.0

68.0

68.0 68.0

68.0

68.0

68.0

69.3 69.3 69.3 69.3

69.3 69.3 69.3

66.3 69.3

2000

66.0 66.0

0.99

66.0

68.0

68.0

68.0 68.0

0.99

0.99

63.3 63.3 63.3 63.3 63.3

63.3 63.3 0.99 68.0 68.0

63.3

Y 1 V

66.0

62.7

62.7

62.7

62.7 62.7

62.7

62.7

62.7

VI VI 0008 0008 0008

62.7

62.7

85.3 97.3 86.0 69.3 69.3 85.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 86.0 69.3 69.3 69.3 69.3 69.3 74.7 69.3

74.7

74.7

74.7

86.0

86.0

86.0

86.0

86.0

86.0

86.0 86.0

85.3

4500

AI AI

74.7

74.7 74.7

69.3

2000

AI AI

74.7

67.3 97.3 97.3 86.0 86.0 97.3 86.0 86.0 86.0 86.0

97.3

61.3

2000

AI AI

98.7

86.7

3000

AI AI

86.7 97.3

99.3

66.3 66.3

86.3

7.86

7.86 96.7

1800

98.7 98.7 98.7 66.3

86.3

7.86

98.7

7.86

88

AI AI

98.7

88

AI AI

66.3

7.86 98.7

7.86

99.3 66.3

66.3 66.3 66.3 86.3 66.3 99.3 66.3

66.3 86.3 66.3 66.3 7.86 98.7 7.86 98.7 1.86 98.7 98.7 98.7 7.86 1.86

88

AI AI

88

80

88

150

TOTAL NUMBER OF OBSERVATIONS

000

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....

CEILING (FEET)	5	o Al	8 1	1	K 41	1 2%	2 4	¥ 4	¥1	Ā	AI	AI AI	AI N	2 5/16	AI M	AI
NO CEILING	50.7	1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.	50.	7 50.	.05	7 50.7	50.
_	62.0	9	62.0	62.0	0	62.0	0	62.0	62.0	62.0	62.0	9	-	62.	0 62.0	62.
18000	95.0	0	62.0	62.0	62.0	62.	62.0	62.0	62.0	62.0	62.	_	9 62.0	62.	0 62.0	62.
	62.0	•	62.0	62.0	62.0	62.0	62.0	•	62.0	62.0	62.	0 62.0	•	0 62.	0 62.0	62.
_	62.7	1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.	62.	7 62.	1 62.	7 62.7	62.
12000	1.40		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	. 49	1 64.	1 64.	. 99	7 64.7	. 40
	64.7	1.	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.	. 64.	1 64.	1 64.	7 64.7	64.
0006	64.7		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.	. 64.	7 64.	. 64.	7 64.7	. 70
	65.3		65.3	65.3	65.3	65.3	65.3	-	65.3	65.3	65.3	65.	3 65.	. 69.	3 65.3	65.
2000	0.99	0		0.99	0.99	66.0	0.99	0.09		66.0	999	999	9 66.0	0 66.0	0.99 0	66.
-	0.99	0		0.99						1	66.	999	0 66.0	99 0	0.99	66.
2000	71.3	~	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.	17.	3 71.	11.	3 71.3	71.
-	87.3			87.3			87.3	87.3	87.3	87.3	87.3	3 87.		3 87.	3 87.3	87.
4000	89.3		89.3	89.3	89.3	89.3	89.3	89.3	89.3		89.3	3 89.		3 89.	3 89.3	89.
	89.3	0		0.06				0.06	0.06		-	0	90.	90.	0 90 0	90.
3000	1.06	•	91.3	91.3	91.3	91.3	91.3	91.3	91.3	:	0	-	91.	:	3 91.3	91.
2500	98.0				98.7	5		98.7	98.7	98.7	98.	. 86 1	8	5	7 98.7	98.
	98.7	6	99.3	66.3		2	100.0	100.0	100.0	100.0	100	100	0100	0100.0	0100.0	100
	98.7	~	88.3	66.3	100.0	100.0		10	100.0	0	100	100	100.	100	0100.0	100
1500	7.86	·	66.3		0	100	0	100.0	0.0		100		100	0		100
	98.7	•	66.3	66.3	100.0	100.0	100.0	100.0	100.0	10000	100	100	0	100	0100.0	100
000	98.7		66.3	66.3	100.0	100.0	100.0	100.0			0	2	0	0100.	0100.0	100
	7.86		66.3	66.3	100.0	100.0	100.00	100.0	100.0	100.0	100.0	100	0100.0	0100.0	0100.0	100
8	7.86	6	66.3	86.66	100.0	100.0	100.0	100.0	100.0	100.0	10000	9	0010	100	0100.0	100
-	7.86		66.3	66.3	100.0	100.0	100.0	100.0	100.0	100.0	1001	0100.0	0100.0	0100.0	0100.0	100
8	98.7	~	99.3	66.3	100.0	100.0	100.0	100.0	100.0	100.0	100	20	0010	100	-	100
	4.86	~	66.3	66.3	100.0	100.0	100.0	100.0	100.0	100.0	100	10	0100	0100.0	0.0010	1001
8	98.7	m	66.3	99.3	100.00	100.0	100.0	100.0	0.0	100.0		100	0100	0100.0	0.0010	100
	7.86	m	66.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	0100.0	0100.0	0100.0	100
200	98.7	m	66.3	66.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1000	0100.0	0100.	0100.0	100
8	7.86	66.3	66.3	66.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	0100.0	0.0010	100.
	98.7		66.3	66.3	100.0	100.0	100.0	100.0	100.00	100.0	1000	10001	0100	3100.0	00010	100

0

TOTAL NUMBER OF OBSERVATIONS

150

-

TOTAL NUMBER OF OBSERVATIONS

0

0

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	/						VIS	SIBILITY (S	VISIBILITY (STATUTE MILES	(ES)						
(FEET)	2	٥ ٨١	8	*	E AI	2 2%	7 7	71 %	YI XI	ŽĮ.	AI	* 11	Z Al	≥ 5/16	N N	٨١
NO CEILING	56.0	56.0	96.0	56.0	56.0	56.0	56.0	56.0	56.0	56.	0 56.	0.56.0	56.0	56.0	56.0	56.0
18000	68.0	-	0.89	68.0	68.0	68.0		68.	68	68	68	.00	68	9	68.0	68.0
		_	200	•	1000	•		00	90	68.	90	000	00	000	•	000
V 14000		-	68.7	68.7	68.7	23.7	68.7	68.7		68	99	01	100	91	68.7	68.7
	•	_	78.0	78.3	76.5	-	•	18:	78.0	76.	•	78.	48.	78.5	78.5	76.
000 1 A1			10.00	30	10.00	75.30	200	75.3	75.	7	75.	3 75	75.3	75.3	75.3	75.3
1		1 -	76.7		76.7		3	76.	-	76.		76.	-	76.7	76.7	76.7
7000			77.3	77.3	77.3	77.3	77.3	77.	177.3	77.		77.	177.3	77.3	77.3	77.3
1			77.3	77.3		-	-	77.	77.	77.	77.	77.	77.	77.	77.3	77.3
> 5000		-	81.3	81.3	81.3	81.3	81.3	80	81.3	81.		81.	3 81.3	8	81.3	81.3
		-	90.		0		0	-06	.06	.06	.06	90.	.06	.06	0	90.0
1 4000		-	1	91.3	91.3	91.3			91.	91.	3 91.	91.	91.	91.	91.3	91.3
		-	91.				:	91.	91.	91.	91.	91.	91.	91.	1.	91.3
> 3000		-		92.0	92.0	2.	92.0	0		92.	5		0 92.0	92.	92.0	92.0
> 2500			100	0.00	100.0	100.0	0	-	100	100.	100	100.	100	10000		100.0
		•	100	00.00	100.0	100.	à	10	100.	100.	100.		0100,0	100.	100.0	100.0
V 1800			2	0.00	0	100.	0	100.	100	100.		100	0,0010	100.	0	0.001
		w	0	0.00	0	-		10	100.	100.	100.		0	20	100.0	100.0
1200		w	100.001	0.00	100.0	100.0	100.0	100.0	100.0	100.	0100.0		0100.0	10000	100.0	0.001
- 1		•	0	0.00	100.0		100.0	10	100.0	100.	100	100	100	100.	•	0000
8		-	100.001	0000	100.0	100.0	100,0	2	100.0	100.	0	0100.0	100	100.	100.0	100.0
		~	100.01	00.0	100.0	0	100.0	100.0	100.0	100.	0100.0	0100.0	0,0010	-	100.0	100.0
78		10	100.001	0.00	0	0	100.0	2		100.	100	0100.0	0,0010	-	100.0	100.0
		•	100.0	0		0	10000	9	100.	100.	100.	0100.0	0100.0	-	100.0	100.0
200		w	0.001	100.00	0	100.0	100.0	2		100.	100	0100.0		-	100.0	100.0
			100.0	100.0	9	100.0	100.0	and the	1000.0	100.	0100.0	0100.0	0.0010	-	100.0	100.0
38		•	0	0.00	0.0		100.0	20	100.0	100.	:	100	100	2	100.0	0.001
			100.001	00.00	100.0	100.0	100.0	100.0	and the	100.	0100.	0100.0	0100.0	100.0	100.0	100.0
8		w	0000		0	100	100.0	100.0	100.0	100.		100	8	100	100.0	1000
		•	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.	0100.0	0100.0	0100,0	100.0	100.0	100.0

NAVWEASERVCOM

BARBERS POINT, HAWALL

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		1		~	0	-	0	~	-	-	-	~	0	~	O	0	0	-	O	0	O	0	O	0	O	0	OI	0	OI	0	OI	0	51
	0				•	•	•	•			•	•	•	•	•	•	•	•	•	•	-	•	•	•	-	•	•	•	•	•	•	•	•
	Al	3	2	2	2	2	78		8			80				86		86	8	8	8	8	8		8	8		8		8	8	88	
				_	_	_	_		_										10	7	7	-	-	-	-	-	-	-	-	7	7	=	1
	*		-				-				•									÷			•	٠	•		•	0	-	٠	-	٠,	-
	Al	3	2	2	2	3	18		80	80		80		94	8	86		98	8	8	8	8	8		8	8	8	8	8		8	88	3
		_		_	•				_		_								-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
1	5/16		-				0			-			0		0				0		0	•	9	•	9	•	9	0	9	0	0	0,0	3
		9	3	4	3	2	8		80	80		80	82	*		86		86	00	2	2	8	2					8			8	88	
	Al				•				-	-									=	-	~	-	-	-	-	-	-	-	-	-	-	-	1
	2		7			4	0						0			0	0		0	0	0	0	9	0	0	0	9	0	9	0	0	0	2
1	AI	0	3	*	2	~	8		9	80									8	00	2	8	2	8	2	8	8	0	2	8		88	
		9			•		_	00				00		0					-	-	-	-	-	-	-	-	-	-	-	-	4	-	•
				-	.3		0	-	-				0		0	0	0	. 1	0	0	0	0	0	•	0	0	0	0	0	o.	9	•	2
	*	0			5	5	8		0	0		0			8	86	8	8	0	0	0	9	0	0	0	9	0	9		0		0	
1		0		-	-		-	8	8	8	8	8	20	5	-	5	5	5	10	-	-	2.		3.	9	9.	9	3.	9	2	3	25	3
		1	7	1	3		0		. 7		1	1	0	1.	0	0	0		0	0	0	0	0	0	9	0	0	0	0	0	0	o c	2
	۸I		-	+	5	3	8		0			0						8	0	0	00	0	0	0	0	0		0		0		0	
		0	-	-	-	-	-	8	80	80	00	8	œ	0	0	9	0	6	10	2	0	9	0	2	0	9.		9		2		95	2
		1	~	-	3	3	0	-	-	1	1	-	0	1	0	0	0	-	0	0	0	0				0				0		0	5
	Ā	0	3	4	2	3	8	o	0	0	0	c	2	4	60	00	0	00	0	0	0			ō			0		0		0	0	0
23		0	7	-	-	-	-	8	8	8	8	80	00	9	0	0	0	9	10	2	0	10		2		2	0	2	9	9	9	0	9
1		-	7	1	~	3	0	-	-	~	1	-	0	7	0	0	0	~	0	0	0	0		0		0		0	0	0	0	0	0
#	7		4	*	3	5	8	0	0	0	0	0	3	4	00	00	8	8	0	0	0	ò	0	0	0	0	0	0	0	0	0	0	5
5	۸ı	0	-	-	2	-	-	8	8	00	8	00	0	0	0	6	0	0	2	2	2	0	0	2		2		2		9	2	9	2
(STATUTE MILES		-	~	1	3	100	0	-	-	7	~	-	0	-	0	0	0	~	0	0	0				0					0	0	0	5
1	7.		3	;	3	5		0	0	ó	0	0	2	*	8		8	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	5
VISIBILITY	ΛI	0	-	-	1	-	-	8	8		8	8	8	0	0	9		0	0	9	0	9	0	2	0		0	9	0	9	9	0	9
S		1	~	-	~	0	0	-	7	1	1	-	0	-		0	0	-	0	0	0	0			0			Ö		0	0	0	ò
	~		3	;	5	5		ò	0		0	ò	2	;		80			•	ò	0	0	0	5	à	ò	à	0	0	ò	å	0	å
	Al	_	7	-	-	-	-			æ				0			0			0	10	0	0	0	0	0	0	0		Ö		ō	
1		1	-	-	0	1	0	-	~	-	-	-	0	-	0	0	0	-	0			0				0		ਰ		0	0	56	3
	2%	5	3	;		5		0	0	0	0	0	2		8	80	8	8	0	0	0	0	0	0	0	0	0		0	0	0	0	2
	Al	ō		-	2	~	-	33		3		8	0	0		0			0	0	0		0	2	0	9	0	0	0	ŏ		ŏ	
1		2	1	-	3	3	0	-	1	1	1	-	0	-	0	0	0	-	0	0	0							3	0	0	0	8	3
	•		3	:	3			:	0	3	0	:	2					8	0	.0	0	0	0	ò	:	0	0	0	0	0	0	0	3
	ΑI		2			-	7					00		0			6		0	0	0	0	0	C	0	0	0	0	0	0	0	0	
1		-	-	-	6	3	0	-	1	-	1	-	0	-	0	0	0	-	0	0	0			6		6		3	0		0	55	5
	•		3	:		3			0	0	:	:	2.	*	8.		8.						0	0	:	0	0	0	:	0	0	0	-
	ΑI		7	-	-	-	7		8	8		8	8	0						0	0	0	0	0	0	0	0	0	0	0	0	0	
1		1	~	-	3	~	0	-	-	~	1	-	0	-	0	0	0	-	5		0	3		5	3	8		0			6	5	3
	*	:	3	:	:		:	:		3	:	:	2	:					0	0	0	ò	0	•	0		0		:	i	0		-
	ΑI	0	7	ř	~	-	7	8	8	8	ĕ	8	60	6	6	0	6	0	Ö	ö	ŏ	100	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	100	5
1		1	N	-	•	-	0	-	-	-	-	-	0	-	0	O	ō	-	6	3	0	0	0	0	0	8	0	8	0	3	0	0	3
	•		3			3													-	-	-	-	-	-	-		•	ò		•	•	•	•
	ΑI			7	-	-	2	8	8	8	8	8	8	6	0	6	6	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	8	ŏ	0	0	0	0	0	
+		1	7	~	6	-	0	-	7	-	~	-	0	-	0	0	5	-	3	5	5	0010	3	6	3	5	0	5	2	5		6	5
	2																				_	-		1000	_	0				0	•	•	•
	Al	9	7	7	-	2	78	8	8	8	8	8	10	6	0	6	6	36	0		0	0	0	ŏ	ö	100	ŏ	100	ŏ	0	0	00	
		-	-	_		-	_	-	-	-	_	-		-	_	-	-	-	-	-	-	-	~	_	-	-	7	-	~	-			
0	_	CEILING	8	2	2	2	2	9	2	9	9	9	9	0	2	0	2	9	0	9	2	9	0	2	2	2	0	200	2	2	2	8 0	,
CEILING	EET	=	2000	8	16000	9	12000	8	9000	8	900	3	2000	450	4000	3500	30	250	2000	180	200	1200	2	8	×	8	8	8	4	8	7	2	
₩.		9	AI		٨١		Ä		AI		AI	AI	AI	A	IAI	AI	٨١	1	٨١	AI	AI	Al	AI	٨١	AI	AI.	AI	AI	AI	Al	AI	AIA	u
		Ž																						_									

TOTAL NUMBER OF OBSERVATIONS

150

T

NAVWEASERVCOM

BARBERS POINT, HAWAII

23 HOURS (1 5 T.)

....

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINT, HAWAII

CEILING	1								>	ISIBILI	TY (S	VISIBILITY (STATUTE MILES	MILE	(S											
(FEET)	5 V	9 11	S AI	Al		N AI	Al	21/2	7	Al	11%	NI NI	7.1	AI		AI	AI	*	Al	2	≥ 5/16	•	× Al	Al	
NO CEILING	99	.7 68.7 68	68.7	68	1.		9		8	0	8.7	68	1.	68		58.	0		0	1.			68.	0	8.7
> 20000	76.0	76.0	76.0	76		•	7	0.9	760	7	6.0		9	76.		76.	7	6.0	-	0	75		9	-	0.0
N 18000	76.0	76.0		76	0	76.	-	0.9		-	6.0	16		76.	0	16.	0	6.0		0	10	0	•	~	6.0
	76.7	76.7	76.7	16	1		-		76.	7	6.7	76		76.	-	16.	7		-		76	-	16.	7	2.7
≥ 14000	76.7	76.7		76	1.	76.	7 76	2.1		7 7	6.7		1.	76.	-	76.	1 1	6.7	-	1.	76		76.	7 7	6.7
		79.3	79.3	46	.3	6	-	6.3	6	7	9.3	79		79.			2		-		19		6	-	.3
N 10000	82.0	82.0	82.0	82	0	3	30		3	80	2.0	00	0			82.			•	0			5	80	0.2
	C	82.0		82		82.	00	•	82.	8		82	0	82.					8	0	82		2.	00	2.0
	82.0	82.0	82.0	82	0	3	သ	2.0	2.	8	2.0	00	0	82.		82.		2.0	80	0	82	0	5	00	2.0
> 7000	82.0	82.0		82	0	82.	00		2.	8 0	2.0	8	0	-			8		00	0			2.	3	2.0
	82.7	82.7	82.7	82		2.	7 87	7.3		80	2.7	82	.7	82.		82.	7 8	2.7		.7			2.	7 8	2.7
2 2000	83.3	83.3	83.3	83	6	83.	80	3.3	0.000	3 8	3.3	83	.3		3		3	3.3				2		8	3.3
	96.0	96.0	0.96	96	0		9	•	96	0	0.0	96	0	-	0	96.	0	6.0	96	0	96		.0	6 0	0.0
14	100.0	100.0	100.0	100	10.		10	0.0	00	010	0.0	100	6	00	0	00	010	0.0		0		0	00	010	0.0
	100.0	100.0	100.0	100	10.	00	0100	0.0	00	10	0.0	100		00	0	00	010	0.0	100			010	00	100	0.0
3000	100.0	100.0	100.0	100	.01	00	0100	0.0			0.0	100	.01	00	010	00	010	0.0	100	.0	00	010	00	100	0.0
	100.0	100.0	100.0	100	.01	00	0100	0.01	1000	010		100		00	010	.00	010	0.0	100	.0	00	10	000	100	0.0
7 2000	100.0	100.0	100.0	100	.01		10	0.01		10	0.0	100			010	00	010	0.0	100	.01	00	10	000	010	0.0
V 1800	100.0	10000	100.0	100	.01	00	0100	0.0	00.	010	0.0	100		00	0	00	010	000	100	9	00	70	000	010	0.0
1500	100.0	100.0	100.0	100	.01	00.	0100	0.0		0100	0.0	100	.01	00	0	00	010	000	100	.0	00	8	000	010	0.0
1200	100.0	100.0	100.0	100	0.	00	-	0.0	00.	010	0.0	100	0.	00	-	00	-		2	0	00	-		010	0.0
	100.0	100.0	100.0	100	10	00	00100	0.0	.00	010	0.0	100	10.	00	0	00	010		-		00	0	•	010	0.0
	100.0	100.0	100.0	100	.01	00	0100	0.0	.00	010	0.0	001	0.	00	3	00	-	0000	-		00	7	00	010	0.0
00 Al	100.0	100.0	100.0	100	.01	00	0100	0.0	.00	10	0.0	100	.01	00	0	00	010	00.00	-	0	00	010	000	010	0.0
	100.0	100.0	100.0	100	10.	00	0100	0.0	000	010	0.0	100	10.	00	0	00	-	000		0	00	8	000	200	0.0
009	100.0	100.0	100.0	100	.01	00	0100	0.0	100.	010	0.0	100	.01	00	0	00	010	0.0	2	0	00	0	000	010	0.0
800	100.0	10000	100.0	100	.01	00	0100	0.0	00	010	0.0	100	10.	00	0	.00	010	0.0	2	0	00	0	000	010	0.0
1 40	100.0	100.0	100.0	100	.01	00	010	0.0	.00	010	0.0	100	.0	00	0	00	010	0.0	801	0	00	0	000	Š	0.0
300	100.0	100.0	100.0	100	10.	00	910	0.0	.00	010	0.0	100	10.	00	0	ė	910	0.0	801	0	8	70	8	201	0.0
700 11	100.0	100.0	100.0	100	0	.00	0100	0.0	.00	010	0.0	100	0	00	0	00	010	0.0	100	0	8	0	00.00	010	0.0
	00	10000	100.0	100	.01	00	010	0.0	.00	010	0.0	100	10.	00	5	00	010	0.0	001	9	00	50	8	310	000
١٨١	100.0	100.0	100.0	100	10.	.00	010	0.0	.00	010	0.0	100	.01	00	6	00	010	0.0	100	0	00	0	00.00	10	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

22514 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWALL

....

CEILING (FEET)	2	NI AI	2	7	2	Y 2%	VISI VISI	BILITY (ST. ≥ 11/5	VISIBILITY (STATUTE MILES)	Si 1	AI	*	Z AI	N 5/16	N N	٨١
NO CEILING	61.3		61.3	61.3			61.3	61.3	61.3		61.3	61.3	61.3	61.3	-	9
≥ 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70
≥ 18000	10.8	10.8	10.8	70.8	10.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	2
	71.1		71.1	71.1		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	7
	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	2
≥ 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74
N 10000	76.4	76.4	76.4	76.4	76.4			76.4	76.4	•		76.4	76.4		•	16
0006 ~	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	16
	77.1	77.1	77.1	77.1	77.1	17.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1		77.1	77
> 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3		77.3		•		17
0009 4	77.3	77.3	77.3	77.3	77.3	7.	77.3	77.3	77.3		77.3				77.3	7
2 2000	80.1	80.1	80.1	80.1	80.1	•	•		80.1	80.1		80.1	0		80.1	80
	91.2	91.2		91.2	91.2	•					91.2	91.2	91.2	6	91.2	91
V 4000	93.8	93.8	93.8	3		3	93.8		93.8	93.8		3.	3	93.	3	93
1	93.8	93		93.9	3	•		93.9	93.9		93.9		•	93.	93.9	93
3000	94.3	40		84.3	6.96			6.46	*	94.3	94.3	64.3		94.		96
1	98.5	98	0	98.7	7.86		8	98.7	98.7	98.7	98.7	-86	98.7		98.7	86
N 2000	99.3	4.66		99.5	9.66	6	9.66	4.66			99.8	99.	66	66	8.66	66
	66.3	99.5		49.7	8.66	8.66	8.66	8.66	8.66	8.66	6.66	6.66	6.66	6.66	6.66	66
≥ 1500	99.3	9.66		8.66	8.66	6	6		6	•	100.0	100.0	100.0	10000	100.0	001
	66.3	9.66	0	8.66	8.66	6	8.66	6.66	6.66	6.66	100.0	10000	100.0	10000	10000	001
V 1000	86.3	9.66		8.66	8.66		8.66		6	•	100.0	0	2	100.0	100.0	001
	66.3	9.66		8.66		6	8.66	6.66	6		100.0	100	100	2	100.0	001
00 8	99.3	9.66		96.8	8.66	8.66	8.66		6.66	66.66	100.0	100.0	10	10000	100.0	00
	6.66	9.66		8.66	8.66	6		6.66	6	•	100.0	100	1	100.0	10000	ō
00 AI	89.3	9.66		8.66	8.66	6	8.66	6.66	6.66	6.66	100.0	100.0	2	10000	100.0	100
		9.66		99.8	8.66	6	8.66	6.66	6.66	6.66	100.0		100.0	100.0	100.0	100
V 400	99.3	9.66		99.8	99.8	8.66	8.66	6.66	•	6666	100.0	-	100	100	100.0	100
		9.66	1	8.66	8.66	8.66	8.66	6.66	6.66	6.66	100.0		10	100.0	100.0	100
N 200		9.66		8.66	8.66	8.66	96.8	6.66	6.66	66.6	100.0	100.0	100.0	100.0	100.0	100
91		9.66	4.66		8.66		8.66		6.66		10000	•	-	10000	10000	100
٨١	99.3	96.6		8.66	8.66	8.66	8.66	6.66	6.66	66.66	100.0	100.0	100.0	100.0	10000	100

0

0

TOTAL NUMBER OF OBSERVATIONS

1200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	Z						VIS	VISIBILITY (ST	(STATUTE MILES)	(53						
(FEET)	9 1	4 Al	AI	1	1 3	≥ 2%	7 7	¥1 Y	VI 24	- AI	AI	* 11	N %	≥ 5/16	N AI	0 11
NO CEILING	76.8	76.8	-		76.	76.	76.		76.		76.	76.	76.	76.		76.8
1 20000	82.	82.6	00	82.6	82.		00	82.6	82.	•	8	8	82.	82.		82.6
N 18000	•	82.6	82.6	82.6	82.6	82.	82.	82.	82.6	82.6	82.	82.	82.	82.		82.6
	•	82.6	8	82.6	•	82.	8	82.	82.	2.	82.	82.	82.	82.	2.	82.6
2 14000	•0	82.6	00	82.6	2.	82.	82.	82.	82.	2	82.	82.	82.	82.	2.	82.6
		84.5	8	84.5		84.	84.		84.		84.	84.	84.	84.		84.5
		85.2		85.2	85.	85.	85.	5	85.	5.	85.	85.	85.	85.	5.	85.2
0006 ~1		85.2	00	85.2	85.	85.	85.		85.	85.2	85.	85.	85.	85.	3	85.2
	\sim	85.2	85.2	85.2	85.	3	00	5		3.	•0	85.	85.2	85.	85.2	85.2
7000		85.2		85.2	85.	85.	85.		85.	3	85.	85.	85.	85.	3.	85.2
		85.2	60	5	85.	85.	85.	3	85.		85.	85.	85.	85.	5	85.2
0005		87.1	0	87.1	87.	87.	87.	-	87.	-	87.	87.	87.	87.	-	87.1
		9.96	0	. 9	96	96	94.		96.		96.	96	96.	96		96.9
141	.	97.4	0	-	97.	97	97.		97.		97.	97.	97.	97.		97.4
		97.4	97.4		97.	4 97.4	97.		97.	97.4		4.76	97.	97.4	4.16	97.4
3000		97.4	0	97.4	0	-	97	97.	0	-	0	-	0	-		97.4
		98.1	0				98.	98.	0		6					98.1
7 2000	1	7 98.7	98.7	98.7	98.	8	98	•	98.7	98.7	7.86	1 98.7	98.7	98.7	7.86	98.7
		1 98.7	0		.86		.86	8	6		98.7	1 98.7			98.7	98.7
180	- 31	9.66	66	99.4	99.4	•	9.66				99.4	99.4		4.66	4.66	99.4
		1.66	0		. 66		7.66		6		. 66 .	99.4	4.66		4.66	99.4
VI 100	•	1100.0	0	100.0	10	0100.0	10	100.0	100.0	100.0	10	100.0	100.0	100.0	100.0	100.0
86 AI	00.00	1100.0	0	100.0	100	100	10	0	100	0	20	100	100	-	10000	100.0
08 ^1	O	1100.0	0	100.0	100.0	0100.0	100.0	100.0	10	100.0	100	100.	2	100.	100.00	100.0
	0	1100.0	00		10		100	100	100.0	0	100	100	100	20	10000	100.0
8 AI	00.0	1100.0	0	100.0	100.	0	10	100.	100	100.0	10	100.	20	-	100.00	100.0
800	00.00	1100.0	.00	100.0	1000	0100.0	100	100.0	10	100.0	100	-	100	100.	100.0	00.001
	000	1100.0	0	100.0	100.0	0	10	0	2	100.0	20	100	2	-	10000	00.00
	0	1100.0	.00	100.0	10001	0	100		100	0	100	100	1000.0	10000	100.0	0001
1 30	00.0	1100.0	0	100.0	1000	0	1001	100.0	100.	100.0	100	100	9	100.0	100.0	100.0
92	0000	1100.0	ŏ	100.0	10001	0.0010	10000	100.0	100.0	100.0	10001	1100.0	100.0	10000	100.001	00.00
٨١	0000	1100.0	100.0	100.0	10001	0.0016	100.0	100.0	100.0	100.0	100.0	10001	1000.0	10000	100.0	100.0

0

TOTAL NUMBER OF OBSERVATIONS

-

CEILING VERSUS VISIBILITY

BARBERS POINTS HAWALL

73-77

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	٨	^/	•	1	6 A	2%	418	SIBILITY (S	VISIBILITY (STATUTE MILES)	LES)	AI AI	AI AI	A	\$1/8	Al	A
	+	'	+		. 1			•		•	•	' '	:			
20,5	3 70.3		m -	70.3	76.3	70.3	70.3	76.3	76.3	76.3	70.3	76.3	76.3	76-3	70.3	76.3
76.	-	.1 76	-	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.	76.1	76.1
76.		.1 76	.17	6.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.	76.1	76.1
76.1		.1 76	.17	6.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
77.	-	.4 77	1 4.	7.4	77.4	77.4	77.4	77.4	77.4	77.	77.4	77.4	77.4	77.	77.4	77.4
77.		.4 77	.4.	7.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	17.4	17.4	77.4
77.	-	.4 77	7 4.	7.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.	17.4	77.4
77.	3	.4 77	7 4.	7.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	17.4	77.4	17.4	77.4
77.	4	17 4.	1 4.	7.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.	* 77 .	77.4
77.	1	17 4.	7 4.	7.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	17.4	17.4	* 77.4	77.4
79	4	.4 79	1 4.	4.6	79.4	79.4	79.4	79.4	79.4	19.4	79.4	79.4	79.4	79.	19.4	79.4
93.	6 93.	.6 93	6 9.	3.6	93.6	93.6	93.6	93.6	93.6	93.6		93.6	93.6	93.6	93.6	93.6
6	00	46 8.	68.	8.4	94.8	94.8	8.96	94.8	94.	0		94.8	94.8	94.8	94.8	94.8
94.	00	76 8.	.8	4 . 8	8.76	8.76	94.8	94.8	94.8	94.8		8.76	94.8	1 94.1	8 94.8	94.8
94	0	.8 94	. 8	8.4	8.96	94.8	94.8	94.8	94.8	8.46	8.46	94.8	94.8	1 94.1	3 94.8	94.8
96	00	.8 97	6 4.	7.4	4.76	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.	4 97.4	97.4
97.	3	86 **	.1 9	18.1	98.1	98.1	98.1	98.1	98.	98.1	98.1	98.1	98.1	98.	1 98.1	98.1
98	-	.1 98		8.7	98.7	98.7	98.7	98.7	1.86	98.7	1.86	98.7	98.7	. 86	1 98.7	98.7
98	-	.7 99	*	4.66	4.66	4.66	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.	4.66	4.66
98		.7 99	3.	4.66	4.66	99.4	4.66	99.4	99.4	99.4	66.4	4.66	99.4	66	* 66 t	4.66
98.	-	.4100	.01	00.000	00.00	00.0		100.001	00	0100.0		-	100	100	0100.0	100.0
98	-	.4100		.0	100.0	100.0	100.0	100.0	100.001	100.0	:	100	100	1001	0100.0	100.0
36	-	.4100		00100		100.0	100.0	100.0	100.0	100.0		100	1001	100	0100.0	100.0
98	-	.4100		.0	100.0		10000	20	-	100.0	0	00	100	100		100.0
98	-	.4100	.0100	0	100.0	100.0	100.0	100.0	100.0	100.0		0100.0	100	0100.0	0100.0	100.0
98	-	.4100	.0100	0.01	0000	100.0	100.0	10	100.0	100.0	0		100	100	0100.0	100.0
86	-	.4100	10.	00.00	00.00	100.0	100.0	100.0	100.0	100.0	1000.0	100.0	100.0	100	0100.0	100.0
860	1 99.	.4100	.010	0.0	0000	100.0	100.0	100.0	100.0	1000	100.0	100.0	100.0	100	0.0010	100.0
0	1 -	1	3		5		0001									
0.00	1 99	100	010	0	000	100.0	10000	100	100	100	100	100	100	100	100.0	1000
	1		1													

0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

HOURS (LST.)

-

CEILING VERSUS VISIBILITY

BARBERS PUINT FATOR NAME IT TO THE TO THE TO THE TO THE TO THE TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL

CERING CHENG CHING C			-100	3 6	00	00	8	-	P	F	H	F	0	0	6	3	5	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	2
2 0 2 6 2 5 2 4 2 3 2 2% 2 2 2 2 2 2 2 2			- 3	1	:	:	3						•	:	:	:	:				0	ò	0		0	ò	0	6	0		6		5
2 2 2 2 2 2 2 2 2 2		ΛI	10			2	7	7	7	7	7	7	00	0	0	0	0	0	0	0	0	ō	9	Ö	0	0	Ö	9	Ö	0	0	9	9
2 10 2 6 25 2 4 2 3 2 2	1			α	0	00	8	-	N	-	N	-	0	0	2	n	5	~	1	-	0	6	8	5	8	8	0	8	0	8	0	8	3
2 10 2 4 25 2 2 2 2 2 2 2 2 2 2 2 1% 2 1% 2 1		*	2:	1	:	:	:				-		:		:	:	:				0	0	0		0	å	0	ò	0		6	00	5
2 2 2 2 2 2 2 2 2 2		Al	91	-	-	2	7	7	7	7	7	and the same of	8					5	0	0	0	0	Ö	ŏ	ō	ŏ	ŏ	ŏ	ŏ	0	Ö	0 6	2
VISITIVE STATE THE TOTAL GT. II GT. I	1			0	00	00	00	-	N	-	N	-	0	0	~	5	5	-	~	-	8	8	8	8	8	8	8	8	6	8	5	8	3
VISITIVE (STATUTE MILES) 2 10 2 6 2 5 2 4 2 3 2 2 4 2 1 2 1 4 2 1		5		4	: :	:					-		•	•	:						:	:	-	÷	3	å	0	:		:	0	÷.	3
VISIBILITY GEATURE MILES) 2 10 2 6 2 5 2 4 2 3 2 2 4 2 5 2 1 6 7			20	-	-	~	-	7	7	2	7	2000	8	-							ŏ			ŏ		ŏ				ŏ	ŏ	ŏ	5
VISIBILITY GIATUTE MILES) 2 10 2 6 2 5 2 4 2 5 2 7 2 1	-		-40	æ	0	00	20	-	N	-	N	-	0		2	2	5	-	-	-	5	3	0	5	8	5	0	8	5	5	5	8	3
2 0 2		Z				:	. :		-		-		•		•	:	:	-			:	:	-	-	3	:	:	:	-	0	-		3
2 0 2 0 2 2 2 2 2 2		Al		-	-	~	2	7	7	7	7	7	All and the	1				_	0	0		ŏ	ŏ	ŏ	ŏ			ŏ	ŏ	õ	5	ŏò	5
2 0 2 6 2 5 2 4 2 3 2 2% 2 2 1% 2 1% 2 1% 2 1 2 4 2 4 2	1		-10	00	•	00	00	~	-	-	-	-	0	0	2	~	5	-	-	-	3	3	8	3	8	3	3	8	8	8	6	35	5
STATE STAT		*			:	:	:	•	•		-	-	•		:	-	-	:			-	:	:	:	3	÷	:	ċ	:	:	:	:	3
2 10 2 6 2 5 2 4 2 3 2 2% 2 2 2 1% 2 1% 2 1% 2 1 67 1 67 1 67 1 67 1 67 1 67 1 67 1		ΛI	91	1		2	7	7	7	7	7	7	8	0	6	5	0	6		2	ŏ	ŏ	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	29	5
C	}			0	8	20	3	-	-	-	N	-	0	0	5	n	5	-	-	-	5	3	6	8	8	8	6	0	5	5	5	36	3
S		*		•				•	•	:			•	:	•	•	•	:		:	:	:	-	:	:	:	:	:	:	:	:	:	:
2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 0		Al	10			2	7	78	7	2	7										ŏ	8	8	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	6	5
2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 0	-			0	00	60	-	-	N	-	N	-	0	•	5	N	~	-	-	-	3	3	3	5	3	8	3	3	8	3	3	8	ŝ
2 0 2		-		•			•	•	•	•	•	•	•	•	•	•	•	•	•	:	•	•		•	-			:	0	:	:	:	-
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	-	Al	10	١,	2	12	1	78	78	78	78	78	8		_										8	ŏ	ö			-	ŏ	ö	ᅴ
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	IES			-		-	-	1	-	1		-	~	•	-	-		_	~	~	7	2	7	7	3	3	3	금	5	3	금	3	3
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	*	7		4						•	•			•	•	•	•	•	•	•	-	-		•	-	:	-	:	•	•	•	3	•
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	5			93	200	76	76	78	78	78	28	18									0	8						8		0	8	88	3
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	1			-	-					-		-	-	*		-	10	_	_	_	7	7	7	7	3	7	~	3	7	7	3	7:	3
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	S	2	-	4											•	•	•	•	•								•	•	•	•	•	•	•
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	5		3	9 3	2 2	2	76	18	28	78	2	18													3	8	8	8	8	8	8	8	긺
210 26 25 24 23 22% 22 22% 22 22% 22 22% 22 22% 22 22% 22 22	SIS			L		-	_	_						1						-	-	1	-	-	7	7	-	7	-	7	-	=:	1
210 26 25 24 23 22% 27 24 27 25 26 27 25 26 27 25 26 27 26 2	>	~	-	-				-							•									3	-		•	•			•		3
2 0 2 2 2 2 2 2 2 2			25	9;	0 4	2	7	78	78	78	78	73									00	8			8		0	00	00	00	8	8	3
210 26 25 24 23 22% 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8					-	-	_												_		=	7	=	7	7	7	7	=	Z	7	7	3	3
2 10 2 6 2 5 2 4 2 5 2 6 2 1 6 7 1 7 6 7 7 7 7		2	-	-	•		~			•	•		٠.			•	-	-	•			•		٠.		•	•	•		•	•	•	3
210 26 25 24 23 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8			20	9:	0 4	76	76	78	78	78	78	78													8	8			8	10000	8	88	3
210 26 25 24 23 67.1 67.1 67.1 67.1 67.1 67.1 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8						_	_			_							-	_	_	-	7	7	=	7	=	7	7	7	7	7	3	=:	1
2 10 2 6 2 5 2 4 2 6 7 1				4		80	*						5.		•	*		-			~	4		~		~					•	٠,	•
210 26 25 24 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8			5:	9:	20	2	2	28	78	28	28	78																	00	00	8	8	쥥
210 26 26 25 24 26 27 26				L		Ŀ		-				_		_			_		_	-	-	-	7	7	-	=	-	7	7	7	3	7	1
2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 2 3 2 2 3 2 3 2 3			- 0	•		-							5.	5.				-			•	3.			•				3.		•		•
2 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		AI .	2	9:	2 5	2	16	2	18	2	18	18	3	35	95									00	00	-				8	8	8	3
2 10 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3				L		-			_			_	_					_	_	-	=	7	-	7	7	7	1	=	-	-	=		1
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-0	•			8			:			5.					-											•	•	•		:
2	1.5-1	Al	23	9:	9 4	2	20	18	78	2	73	78	31	2	35	3	3	98													8	00	3
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										-			-	-			_		_		-	=	7	7	7	7	=	-	=	~	=	<u>~</u> :	3
1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0				_			8																										
VI OLLLLLLLC 00000000000000000000000000000			15:	9:	0 4	9 0	9	80	18	8	8	18	-	2	35	5	3	8	98	38	6	60	66	66	60	66	6	66	66	66	6	6	2
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	1_	-	1_		1	19	1					-												1						
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_	-	1					-																								•
	1		2	9:	0 4	9	0	00	8	100	8	28	7	14	2	3	3	33	38	8	6	56	6	30	66	00	66	3	66	66	2	6	2
CELLING CEL		Α,	9,	1.		1.	,						w	0.	0.	٠,	•	0.	_	3.	٠.	5	•	5	۵.	•	•	_		- '		_	
C C C C C C C C C C			9	T.	_	-	_												_		_	_		_					_				. 1
S N N N N N N N N N N N N N N N N N N N	Z	E	1 8	1	8	8	8	8	8	8	8	8	8	8	8	500	00	8	8	800	50	200	8	8	8	2	3	8	ğ	8	ĕ	Š,	1
	EIL	E .	2 8					1															-										١,,
	0		12 ^	1	I VI	^!	M	^1	ΛI	^1	ΛI	٨١	ΛI	\AI	ΛI	۸I	ΛI	٨١	ΛI	^1	NI.	^	, AI	A	ΛI	٨١	ΛI	٨١	AI.	A1.	^1	AI /	"

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

65. 100.0100.0100.0100.0100.0100.0100.0100.0100. ٨١ 68 63 67 6 1 ٨I 0.68 91.0 98.7 65.8 65.8 4.66 4.66 65.8 65.8 7.1 67.1 4.89 4.89 4.66 4.66 4.66 4.66 72.3 87.1 67.1 67.1 2 5/16 4.66 4.66 4.66 4.66 2 Al 65.8 65.8 67 98. * AI 4.66 7.06 4.66 4.66 4.66 65.8 65. 67.1 99.1 AI 4.66 67.1 7.86 67.1 4.89 72.3 87.1 89.0 89.0 91.0 4.00 4.66 4.66 4.66 AI VISIBILITY (STATUTE MILES) 99.4 67. ٨I 67. 67 ٨i 65.89 4.89 72.3 69.8 87.1 89.0 89.0 91.0 7.86 7.66 7.66 4.66 67,1 4.66 4.66 4.66 67.1 99.4 67.1 90.4 99.4100.0100.0100.0100.0 4.66 4.66 99.4100.0100.0100.0100.0 7 65.8 65.8 87.1 67.1 67.1 68.4 68.4 2 2% 89.0 65.6 67.1 87.1 4.66 65.8 72.3 91.0 4.66 4.66 4.66 7.86 7.86 7.86 4.66 4.66 4.66 67.1 M Al 89.0 89.0 4.66 67.1 67.1 67.1 68.4 68.4 68.4 4.66 4.66 67.1 67.1 67.1 72.3 72.3 4.66 87.1 87.1 99.4 99.4 99.4 ٨١ 4.66 89.0 89.0 89.0 4.66 4.66 91.0 4.66 ٨I 72.3 4.66 87.1 89.0 99.4 AI 2 67 NO CEILING (FEET) VI VI 0081 00081 ¥ 20000 Y 1 400 VI VI 000 000 000 000 8000 2500 1500 80 88 900 4500 400 400 3500 900 88 88 28 ALAI AI AI AI AI ALAI ALAI ALAI ALAI AI AI ALAI

0

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

BARBERS PUINTS HAWAII

BARBERS PUINT, HAMAII

HOURS (LS T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	1						5	VISIBILITY (STATUTE	STATUTE MI	MILES)							
(FEET)	5 7	9	8	1	AI	≥ 2%	12	Y1 Y	VI 71	Ā	% Al	* 1	X Al	≥ 5/16	AI 3	٨١	
NO CEILING			46.5	46.5	46.	46.	5 46.	\$ 46.		4	46.5	46.5	46.5	46.	5 46.	5 46.	3
≥ 20000	67.7	67.7	67.7	67.7	67.	7 67.	7 67	7 67.	7 67.7	67.	67.7	67.7	67.7	67.	7 67.	7 67.	1
N 18000	67.7		67.7	67.7	67.	7 67.	7 67.	7 67.	7 67.7	67.	7 67.7	67.7	67.7	67.	7 67.	7 67.	1
≥ 16000	67.7	67.7	67.7	67.7	67.	7 67.	7 670	7 67.	7 67.7	67.	67.7	67.7	67.7	67.	7 67.	7 67.	1
≥ 14000	68.4	4.89	68.4	68.4	68.4	. 68.	4 68.4	4 68.4	4.89.4	68.4	4.89.4	68.4	68.4	. 68.	4 68.	4 68.	4
≥ 12000	68.4	68.4	68.4	68.4	68.4		9	. 68.	4 68.4		68.	68.4	68.4		0	4 68.	4
	70.3	70.3	70.3	70.3	ė	70.	70.	70.			70.	1		70.	1	3 70.	w
۶ 8000	70.3	70.3	70.3	70.3	70.	3 70.	70.	3 70.3	1	70.3	1 70.3	70.		70.	3 70.	3 70.	W
	71.0	71.0	1.	71.0	71.	71.	71.	71.	71.	71.	71.	71.0	71.	71.	0 71.	0 71.	0
> 7000	71.0	71.0	71.0	71.0	71.	0 71.	71.		0 71.0	71.	71.	71.	71.	71.	-	0 71.	0
0009 A	71.0		1.	71.0	71.	71.		71.	0 71.0	71.	0 71.0	71.	71.	71.	0 71.	0 71.	0
> 2000	74.8		74.8	74.8	74.	8 74.	74.	8 74.8	74.	74.	74.	74.	74.	74.	8 74.	8 74.	
	91.0	91.6		1.	91.	91.	91.	.16		91.	91.	91.	6	.16	6	6 91.	0
× 4000	91.0	-	9116	91.6	91.	-	91.	-	:	91.		9110	91.		6 91.		0
> 3500	91.0	91.6	1.	1.	.16	91.	91.	91.	91.	91.	91.	91.	6	0		6 91.	0
> 3000	91.6	92.3	92.3	92.3	92.		92.	2.	3 92.3	92.	92.	92.	92.	0	3 92.	3 92.	w
2 2500	98.1	98.7		98.7	.86	98.	98.	98.	.86	98.			.86	98.	. 98	7 98.	1
- 1	98.7	7100.0100	10000	100.0	100		100		-	100.	100	100.	10	100.	100	0100	0
1800	98.7	100.0	10001	10001	100.	0100.		100.	0100.0	-	100.0	100	2	100.	0100	0100	0
	96.7	100.0		100.0	100.		100.	100.	100.	100.	100	100	100	100.	0100	0100	0
1200	98.7	100.0	100.0	100.0	100.0		0100.0	:	0100.0	100.	100	-	100	2	0100	0100	0
- 1	98.7	100.0	100.0	100.0	100.0	0100.	-	0010	0100.0	2	2	100	2	100	0100	0100	0
8	98.7	7100-0100	100.0	100.0	100.0		0100	0100	0100.0	10000	2	100	100.0	100	0100	0100	Ö
		100.0	100.0	100.0	100.	100.	0100.0	0010	0100.0	100.0	100.0	100.0	2	100.	0100	0100	9
700		7100-0100	10000	100.0	100.0	0010	0100	0100	0100.0	10000	10001	10000	10000	100	0010	0100	Ö
		100.0	100.0	100.0	100.	100.	0100.0	10010	0100.0	100.0	100.0	10000	100.0	100.	0100	0100	O
005 AI		7100-010	100.0	100.0	100.	0010	0100	0100	0100.0	100.0	100.0	100.0	100.0	100	0100	0100	Ö
	•	7100-010	100.0	100.0	100.	100	0100.0	0100.0	0100.0	100.0	1000.0	10000	100.0	100.	0100	0100	Q
88	98.7	7100-0100	•	100.0	100.0		0100.0	0100.0	0100.0	1000	1000	100.0	100.0	100	0100	-	Ö
	-	100.0	10001	100.0	100.	100	0100.	1000	0100.0	1000	100.0	10001	1000	100	0010	0100	Ö
8	68.1	100.010	100.0	100.0	100.0	0100	0100.0	0100.0	0100	10000	10000	1000	100.0	100	0100	0100	0
	98.7	_	100.0	100.0	100.0	0010	0100.0	0100	0100	1000	100.0	1000	1000	100	0010	0100	9

TOTAL NUMBER OF OBSERVATIONS

200

BARBERS POINT, HAWALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

22514 STATION

....

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWAII

		8	H	-	H	*	3	1	-	K	H	-	N	0	0	*	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O
	•		3		8			å	0	å	0	0		3.	3	:			0	:	0	ò	0	å	0	å	0	ò	0		0	ò	0
	VI	0	F	7	7	-	-	8	8	8	8	œ	8		0	0	0	98	8	8	ŏ	8	ō	ŏ	ŏ	8	8	8	ŏ	ö	ŏ	ŏ	00
1		00	H	-	H	3	4	-	~	1	H	-	7	6	60	4	4	-	0	8	5	3	3	중	3	8	8	8	8	8	8	8	3
	*	-	3			:	:	0	?	÷	3	:		2.	3	2	2		0	6	0	:	0	÷	0	å	:	0	0	å	0	ċ	6
	Al	6	R	7	28	5	2	80	80	80	80	80	œ			ò	0	86	00	8	00	8	8	8	ŏ	8	ŏ	8	0	8	ŏ	ŏ	8
1		0	H	F	H	*	3	-	-	-	F	-	7	0	8	4	4	-	6	8	8	8	8	8	0	8	8	8	8	8	0	8	3
	5/16	•	1					:	0	0	0	:	3.	2.			2		0	:	-	0	:		•	:	0	0	:	:	0		
	Al	65	ř	~	7	79	7	80	ě		8		8	6		0	0	98	ŏ	00	ŏ	ŏ	8	ŏ	8	8	ŏ	8	8		ŏ	ŏ	8
		00	H	F	-	*	4	~	~	~	-	-	2	0	œ	*	3	-	5	6	5	5	8	8	0	5	5	5	5	5	5	5	5
	2		4		-	6	-	:	-	:	-	0		2.	:				0	0	0			0	0	:	0	:	0		•		
	Al	0	7	7	2	-	-	80	8	80	80	ĕ	8	6		Ö	0		ŏ		ŏ				ŏ		ŏ	8	ŏ		ŏ	ŏ	100
1		00	H	-	-	4	4	~	-	-	-	-	7	0	8	4	4	1	0	8	6	3	8	6	0	3	0	6	0	8	0	3	6
	*						6	0	0	0	0	0	3	2.	3	-	:		0	0	0	ö	5	:	0	ò	0	0	0	ò	0	ò	
	Al	0	2	7	7	~	7	æ	8		8		æ	0		ò	0	96	ŏ	00	8	8	8	8	8	8	8	8	8	8	8	ŏ	100
1		00 1	H	F	N	4	4	~	1	~	-	-	7	0	0	4	+	-	5	3	6	3	3	6	0	6	0	6	0	ਰ	0		6
	*		4				6	:	0		0	0			•	1.	-		0		0	:	0	:	0	i	0	3	0	:	0	i	:
	VI	9	7	7	2	~	~	80	8	8			8		6	6	6	96	ö	00	ŏ	8	ŏ	8	ŏ	8	ŏ	8	ŏ		ŏ	0	100
			H	F	N	4	4	1	-	-	-	-	7	0	0	4	4	-	3	3	3	8	8	6	0	8	0	3	8	3	0	3	6
	-		8		8		6	.0	0	:	0	:	3		9	-	-	8		0	0	0	0	0	:	:	0	.0	0	0	0		
3	Al	0	7	-	7	~	2	8	8	8	8	8	0	6	6	0	0	6	ŏ		ŏ	ŏ	0	ŏ	00	00	ŏ	ŏ	ŏ	ö	o	ō	100
VISIBILITY (STATUTE MILES)		00	2	~	~	4	3	~	2	1	7	-	2	0	8	4	-	-	10	3	0	3	6	3	6	8	3	3	0	3	5	5	3
W .	7.	5	4						:	0		:	3		•		-	*				:	•	:	•	:	:	:		:	:	:	:
5	1A	0	7	78	78	4	29	80	80		8	8		92		0	6	98	8	8	8	8	8	8	8	8	00	8	8	8	8	8	00
STA		20	H	~	1	3		1	1	-	-	~	2	0	30	4	3	-	3	3	0	3	3	3	3	3	3	0	0	3	3	3	0
>	1,4	:	3					-	0	:	0	:	3	2.	:	7.		8	-	0			-	-	-	:	-	-	-	:	0	0	
5	Al	9	78	78	7	~	7	80	8	8	8	8	00		6	6	0	6	00		8	8	8	8	8	8	00	00	0	8	ŏ	ŏ	100
ISI		10	N	-	~	*	3	-	1	1	N	~	2	0	8	4	1	-	3	70	0	10	5	5	20	3	-	0	-	5	6	5	0
>	~		3	-	•	:	•	0		•	•	:		2.		:	:						ò		à			:		:	0	.0	
	Al	0	7	78	7	7	79		80		8	80	8	6		6	6	6	00	00	00	00	ŏ	00	ŏ	00	00	00	00	00	ŏ	ŏ	00
		80		-	~	*	4	1	-	-	-	-	2	0	œ	3	4	-	금	3	0	10	3	6	5	3	0	0	0	6	5	5	6
	21/2		8			6	6	0	.0	.0	0	:	3			7.	-	8	0	0			0	:	0	:	0	.0		:	0		
	Al	0	7	7	7	2	7		8		8		30	6		6	ò	6	ŏ	ŏ	00	00	ŏ	8	ŏ	00	00	ŏ	3	8	ŏ	ŏ	100
		8	N	~	2	•	4	~	1	1	1	~	N	0	8	4	4	-	3	3	0	10	3	3	0	3	5	0	0	5	8	3	8
	•		8		8		:			.0	0		3.		9	1.	-	*		0	:	:	0	0	:	:	:		:	:	:		
	ΛI	0	7	7	7	2	19	8	8	8	8	8	8		6	6	6	86	ö	ŏ	00	00	ŏ	ö	00	00	00	00	00	00	00	00	100
		00	1	-	-	3	4	~	~	1	~	-	~	0	00	*	4	-	0	3	5	10	3	3	3	증	0	0	6	5	0	0	6
	•		8	8		6	6	:	0	.0			3	2	. 9	7.	:	8	0	:	:		6	:	:						0		
	Al	0	2	~	7	7	-	8	8	8	8	8		0	ŏ	0	0	0	ò	8	00	8	00	8	00	00	00	00	00	00	00	00	100
		00	N	F	F	3	4	-	-	~	N	K	N	0	20	4	4	-	5	3	5	3	3	8	0	5	0	8	5	5	0	8	5
	40	100		*		:		:	:	:	:	÷		:	;	7.	:	903		:		6	0	0	0	:			0	ò	0		
	AI.	0	7	7	7	1	-	8	8	8	8	8	80	6	6	0	0	6	ŏ	ŏ	Ö	ō	ŏ	0	ŏ	ö	ŏ	õ	Ö	100	Ö	ō	ŏ
		0	-	*	F	4	-	-	K	-	-	-	N	0		3	4	-	6	3	6	8	3	3	0	0	0	6	0	0			
	•	:	-			:		:	:	:	:	:	:	:	:	2	:	*	-	:		6	-	-	:	:		0	:	ċ	:	:	0
	AI	0	~	7	7	7	-	8	8	8	8	80		6	6	0	0	0	ŏ	ŏ	ŏ	ŏ	0	ŏ	ŏ	ŏ	ŏ	ŏ	ō	10001	Ö	ō	0
		0	H	-	P	3	3	-	-	-	K	-	7	0	00	3	4	-	5	3	5	8	5	5	5	5	5	5	5	0	0	0	5
	2	65.8 65.8 65.						:	:	:	:	:		:		:	-		:	:		:	:	:	:		0	6	100.0100.010	:	ċ	100.0100.01	0
1	Al	0	7	7	7	~	-	8	8	8	8	8	00	0	6	0	0	6	ŏ	ō	Ö	ō	0	ŏ	Ö	Ö	ō	ō	Ö	Ö	Ö	ō.	0
		-	+	-	-	-	_	-	-	-	-	-	_	-	_	-		-	_	-	_	-	-	-	-	_	_	=	_	7	~	7	=
ō	-	NO CEILING	3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1000	8	8	8	9	8	8	38	8	8	0
CEILING	E	THE SE	7 7000	18000	8	14	12000	8	900	8	7000	8	200	24	900	35	300	2500	2	-8	1500	12	2	6	•	-	•		4		~	-	
ü	=	9	11	A			٨I	A	٨١	A	Al	Al	Al	A	Al	٨	M	AI	AI	Al	٨I	٨١	٨١	Al	٨١	Al	٨I	A	Al	AI	٨I	Al	Al
		Z																															

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	S VI	N AI	S AI	AI	E AI	2 2%	1 2	×1.5	71 1	Ā	AI N	*	S AI	2 5/16	N AI	0 1
CEILING	74.	74.8	74.8	74.8	74.	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 20000	81.9	81.9	81.9	81.9	81.9	81.	81.9	81.9	81.9	81.9	81.9	81.9	91.9	81.9	81.9	81.9
≥ 18000	81.9	.9 81.9	81.9	81.9	81.	81.9	81.9	81.9	61.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
16000	81.9	81.9	81.9	81.9	81.	81.	-	81.9	81.9	81.9	81.9	91.9	81.9	81.9	81.9	81.9
14000	81.9	81.9	81.9	81.9	81.9	81.	:	81.9	81.9	81.9	81.	81.9	81.9	81.9	81.9	81.9
≥ 12000	81.9	81.9	81.9	81.9	81.	81.	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
10000	81.9	81.9	81.	81.9	81.	81.9	:	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0006 A1	81.9	81.9	81.9	81.9	81.9	81.	81.9	81.9	81.9	81.9	81.	81.9	81.9	81.9	81.9	81.9
8000	81.9	81.9	81.9	81.9	81.	81.	81.9	81.9	-	81.9	81.9	81.9	81.9	_	91.9	81.9
7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	:	81.	81.9	81.9	81.	81.9	81.9
9009	81.9	81.9	81.9	-	81.	81.	:	81.9	-	81.9	_	81.9	81.9	81.9	81.9	81.9
9005	82.6	82.6	82.6	82.6	82.6	82.	82.6	2.	82.6	82.6	82.	82.6	82.6	82.6	82.6	82.6
4500	94.2	94.2	94.2		94.	94.	:	94.2	3	;		94.2	94.2		94.2	94.2
141	94.8	94.8	8.46	94.8	94.8	94.8	8.96	94.8	94.8	94.8	94.8	94.8	94.8	94.8		94.8
3500	95.5	95.5	95.5	95.5		5	5	95.5	•	95.5	6		95.5	95.5	95.5	95.5
3000	96.1	96.1	1.96	96.1	96.1	96.1	96.1	96.1		96.1		96.1	96.1			96.1
2500	98.1	98.1	98.1	98.1	98.1		98.1	98.1	98.1	98.1	98.1	98.1	98.1		-	98.1
7 2000	4.66	4.66	4.66	4.66	4.66	99.4		99.4		99.4		4.66	4.66	4.66	4.66	99.4
1800	4.66	4.66	4.66	99.4	4.66	99.4	3.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	1000	100.0	10000	0000
1000	100.0	100.0	100.0	100.0	100.0	1000.0	100.0	100.0	100.0	100.0	100.0	100.0	1000	100.0	100.0	0000
96 Al	100.0	100.0	10000	100.0	100.0	10000	10000	100.0	100.0	100.0	100.0	100.0	100	10000	10001	0000
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0001	100.0	0.001	000
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100	100	100.0	100.0	0.001	00.00
9 Al	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	0001
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1001	100.0	100	100.0	10000	100.00	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100	100.0	0000	0000
30	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.0	100.0	100	100.0	0.00	10000	0000	000
	100.0	100.0	100.0	1001	100.0	0.001	100.0	0.001	0000	1001	2001	0007	0001	000	0000	0001
80	100.00	0100.0100	100.0	100.0	100	0000	10000	100	000	100	000	1000	0001	0000	000	000
1	2000	***	2	2	2		5	-	2	-						

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

BARBERS POINT, HAMAII

480

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٨١	62	_	1		75	76.	-	76.	-	1 76	-	92	0	66	94.	86	0	66	66	66	66	66	66	66		66	66		-	100	
	AI	62.0	74.3		74.5	75.2	.0				76.5	6	92.2	3.	93.8	94.3	98.2		99.3	99.1	99.1	99.8	99.8	8.66	99.8	6	99.8		00	100.0	100.0	
	2 5/16	62.0		74.4		75.2	.0	9			.9	6	92.2	3.	3.	94.3		6	•	99.7	•	6	8.66	6	8.66	6	8.66	6.66		100.0	10000	
	Z Al	62.0	,		*		. 9	0				6	92.2			+	98.2	6		6		6		6		6	8.66	6		00.00	00.00	
	*	62.0		74.47	:	3.	. 9				.0	6	92.2	3	3	;	98.2			1.66			9.66		8.66		8.66	6.66	00.01	00.00	00.00	
	% Al	62.0		74.4	74.5	75.2		76.2			76.5	6	2.26	3.	3	6.46	2.86	6	6	1.66		6	9.66		8.66	8.66	8.66		00		00.00	
9	-	62.0		74.4	74.5	75.2		76.2	76.3		76.5		2.26	3.		6.96	98.2	6	6	49.7			8.66	8.66			8.66	6.66	0.0	00.00	00.00	2
VISIBILITY (STATUTE MILES)	¥1 V	62.0	76.37	1	74.5	5	76.2	9		.0	.0	6	92.2	3.		;		6	86.66	49.7		8.66		6	6	•	8.66		•		16.66	
IILITY (STA	N 1%	62.0		76.6		75.2					76.5	6	2.	3.	3.	6.46									99.8		99.8			6.66		
VISI	7 7	62.0	1	7	74.5	75.2							2.26			;	98.2	6	6.66					6		9.66		•		6.66	6.66	
	7 2%	62.0	1	74.4		3		9	.0	6.		6		3	3.	;		6		6	6			6	9.	6	6	6				
	E AI	62.0	76.3	74.4	74.5	75.2	76.2			76.3		79.4	92.2	93.6	3.	94.3		6		6		8.66				6			6.66		6.66	
	7 11	62.0	74.3	1	74.5	73.2	76.2	76.2	. 9	. 9		6	92.2	3.	3.			6		4.66	7.66	8.66	8.66	8.66	8.66		8.66		6.66	6.66	6.66	
	\$ 1	62.0	74.2	14.4	74.5	75.2		6.				6	92.2	3.	3	;	98.2			6			8.66			8.66	6	6	8.66	6	8.66	
	9	62.0		1	74.5	73.2	76.2	76.2	76.3	76.3	76.9	79.61	2.26	93.6	93.8	6.36	98.1	0.66	89.2	6.66	8.66	1.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	
	0 1	62.0	•		10		~	-	-		-	3	-	0	-	~	98.0	0	ō										3	3	3	
CEILING		NO CEILING	18000	14000	14000	2 12000	10000	2 9000	9008	2 7000		9000	4500	900		3000	2 2500	2000	1800	1300	1200	1000	8	8		8		8	300	300	8	3

TOTAL NUMBER OF OBSERVATIONS

1240

BARBERS POINTS HAWAIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

80.0 80.0 97.3 80.0 80.0 99.3 99.3 99.3 99.3 99.3 99.3 80. ٨١ 79.3 97.3 8066 66.3 80.0 80.0 97.3 97.3 80.0 80.7 AI 19.3 80.0 80.0 80.0 97.3 66.3 86.3 79.3 1.96 86.66 66.3 80.0 80.0 80.0 97.3 97.3 80.7 2 5/16 99.3 66.3 80.0 97.3 80.0 80.0 97.3 66.3 80.0 80.7 66.3 96.7 2 66.3 97.3 80.0 80.0 97.3 97.3 97.3 99.3 99.3 99.3 99.3 99.3 99.3 80.0 80.0 86.66 80.0 80.7 96.7 * 19.3 80.0 80.0 97.3 99.3 99.3 99.3 80.7 96.7 X Al 19.3 99.3 -AI VISIBILITY (STATUTE MILES) 79.3 80.0 80.0 80.0 97.3 80.0 80.0 79.3 97.3 99.3 99.3 80.7 99.3 99.3 99.3 96.7 99.3 17 6.76 66.66 80.0 80.0 80.0 66.3 99.3 80.0 80.0 80.0 80.0 80.0 97.3 99.3 80.7 79.3 80.0 6.16 79.3 80.0 97.3 6.66 66.3 80.66 80.66 0.08 96.7 6-16 66.66 66.3 6.66 78.7 6.66 6.66 99.3 86.66 6.66 66.3 66.3 78.7 ۲ ۸۱ 80.0 80.0 6.76 79.3 0.08 8.66 6.66 80.0 99.3 66.66 66.3 86.3 66.3 80.7 99.3 99.3 66.3 99.3 99.3 99. 1 2% 97.3 80.0 97.3 66.3 66.3 80.0 80.0 80.0 80.0 80.7 97.3 66.3 66.3 66.3 80.0 80.0 66.3 79.3 79.3 79.3 80.0 99.3 99.3 99.3 66.3 66.3 66.3 7.96 69.3 99.3 99.3 66.3 N Al 97.3 97.3 66.3 6.66 99.3 99.3 80.080.0 80.0 80.0 80.0 99.3 99.3 7.96 99.3 80.7 99.3 99.3 1 61.3 6.79 79.3 66.3 6.66 66.3 66.3 80.0 80.0 1 29.3 80.0 81.3 19.3 80.0 66.3 97.3 66.3 97.3 8.66 6.66 8.66 66.3 99.3 96.7 99.3 69.3 99.3 99.3 80.7 4 81.3 79.3 80.0 66.3 19.3 80.0 80.0 6.16 6.66 66.66 97.3 80.0 80.0 66.3 66.3 86.66 99.3 86.3 99.3 8.66 6.66 88.3 86.66 86.66 80.7 7.96 66.3 6.66 NO CEILING > 20000 (FEET) VI VI 18000 1 VI 16000 Y 1 4000 VI VI 4500 4000 80 2000 3000 2000 88 88 88 1500 120 900 88 AI AI 11 11 11 14 AI AI AI AI AI AI AI AI 11 11 AI AI 11 14 AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

Nous (181

5703

O

TOTAL NUMBER OF OBSERVATIONS

CENLING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20

CEILING	1						12	SIBILITY (S	VISIBILITY (STATUTE MILES	(S3)						
(FEET)	5 1	9 11	N AI	4	N AI	12%	12 2	Y 1%	Y	Ā	AI	* Al	N %	≥ 5/16	N N	0 1
	66.0	66.0	66.0	66.0	66.	66.	66.	66.	66.	.99	60	66.	66.	.99	66.	66.0
> 20000	73.2	73.3	73.3	73.3	73.	73.	72.	73.	73.	73.	73.	73.	73.	73.	73.	73.3
	73.3	73.3	73.3	73.3	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.3
≥ 16000	73.3	73.3	73.3	73.3	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.3
	73.3	73.3	73.3	73.3	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.	73.3
2 12000	74.0	74.0	74.0	74.0	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.0
1	76.0	0 76.0 76		76.0	76.	0.97 0	76.0	-	0.97	76.	0 76.0	0 16.0	-	76.0	76.0	76.0
000 AI	76.0	76.0	76.0	76.0	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.0
1	76.0	76.0			76.	76.	76.	70.	76.	76.	76.	76.	76.	76.	76.	76.0
> 7000	76.0	76.0	76.0	76.0	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.0
	76.7	76.7	76.7		76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.7
2000	78.7	78.7	78.7	78.7	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.7
	94.7	94.7	94.7		94.	94.	96	94.	. 76	.76	94.	94.	94.	94.	94.	7.46
141	95.3	95.3	95.3	95.3	95.	95	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.3
	95.3	95.3	95.3		95.	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.3
300	95.3	95.3	95.3	95.3	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.	95.3
	98.0	98.0	98.0	98.0	98.	.86	98.	98.	.86	98.	.86	98.	98.	96	98.	98.0
2000	100.0	100.0	100.0	100.0	100.	100.	100.	100.	100	100.	100.	100.	100	100.	100	100.0
1800	0	100.0	100.0	100.0	100.	100.	100	100.	100.	100.	100.	100	100.	100.	100	100.0
1500	0	100.0	100.0	100.0	100.	100.	100.	100	100.	100.	100.	0,0010	100	-	100	100.0
	100.0	100.0		100.0	100.	100	100.	100.	100	100.	100.	3100.0	-	100.	-	100.0
1000	00	100.0		100.0	100.	100.	100.	100.	-	100.	100.	100	100	-	100	100.0
8 Al	0	100.0	:	100.0		100.	100	100	100	100	100	100	-	100.	100	100.0
	100.0	100.0	100.0			100	100.	100.	100.	100.	100.	0100.0	100	2	100.0	100.0
	00	100.0		100.0			7	100.	0100.0	100.	100	100	100	100.	-	100.0
09 AI	100.0	100.0	100.0	100.0	100.0	100.	100.	100.	100.	100.	100.	0100.0	100	100.	100	100.0
	100.0	100.0	100.0	100.0	100.	2	100	100	100.	100.	100	0100.0	100.0	-	100.0	100.0
N 400	8	100.0	100.0	100.0	100.	100.	100.	100.	0100.0	100.	100	0100.0	10001	100.	100.	100.0
	30	100.0		100.0	100.	0100.0	1100.0	100.	0100.0	100.	0100.0	100010	1000	100.0	100.0	100.0
1 200	100.0	100.0	100.0	100.0	1001	1000	100.	100.		100.	0100.0	1000.0	1000	100.0	100.0	100.0
VI 81	00	100.0		100.0	10001	2100.0	10000	100.0	0.0010	-	0100.0	100010	1000	10000	10000	100.0
٨١	0	100.0	100.0	100.0	100.0	3100.0	1100.0	1100.0	0100.0	100.	0100.0	0100.0	1000	1000.0	100.0	100.0

0 0 0

BARBERS POINTS, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

MOURS (LS.T.)

**

		1	-	1	1	1	1	1	0	3	3	0	10	-	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	00	00
	AI	0	;	:	;	:		6		6		6	-	2	3				0		0			ò	0		0		0	6	00
	\AI		1	-	-	-	-	-	-	-	-	1	8	0	0	0	0	0	0	ŏ	ò	ŏ	ŏ	Š	ŏ	ŏ	ŏ	ŏ	ŏ	88	
		-	1	-	-	-	-	~	-	1	1	3	3	-	3	0	0	-	0	0	0	0	0	0	0	0	0	0	0	00	00
	×	6		;	;	;	•	6	6	6	6	6	-	2	3	;			0		0	0	0	ċ	0		ò	0	ó	00	00
	AI.	0	-	-	r	-	~	-	ř	-	-	1	8	0	0	0		0	0	Š	Ŏ	ŏ	ŏ	ŏ	ŏ	Š	01	Ŏ	2	23	0
		-	1	-	-	-	~	3	-	m	•	3	~	-	2	0	0	-	0	0	0	0	0	0	0	0	0	0	0	00	0
	5/16	0	3	:	;	:	.9	6		6	6		-	2	3	•		8	0	0	0		0		0	ċ		:	0	00	00
	AI	0		-	ř	-	~	-	ř	-	-	7	8	0	0		ō	0	ō	ŏ	ō	ŏ	ŏ	ō	ŏ	ŏ	ŏ	ŏ	Ö	00	0
	-	-	1	-	-	-	~	-	-	3	~	•	0	-	3	0	0	~	6	6	6	0	0	6	0	0	0	5	6	66	0
	2	6		:	:	:							-	2	5		•		0	0	0	0	0	0	0			•	0	00	0
	AI.	0	-	-	-	-	-	-	-	-	-	-	00	0	0			0	ō			ŏ	Ö	ŏ	Ŏ	ŏ	Ö	ŏ		00	
		-	1	-	-	-	~	-	-	•	•	•	m	-	•	0	0	-	Ö	0	0	0	0	0	ō	0	0	0	0	00	0
	*	ò	;	:	;	:			6	6		6	-	2	2	. 9	.9		0	ò	0	0	0	•	0	•	0		ò	00	00
	AI	0	-	-	-	-	7	-	-	-	~	7	8	0	0		ŏ	0	ŏ		ŏ			ŏ	ŏ	ŏ	ŏ	ō	ŏ	00	0
1.4730	_	1	7	-	1	-	1	~	3	3	3	1	0	-	3	0	0	-	6	0	0	6	6	0	0	6	0	6	0	35	0
	*	6	:	:	:	:	:	-					-	~		. 9	.9		:	0	0	å	0		:	:	:	å	0	00	0
	AI .	0	-	~	F	-	ř	-	-	-	-	7	8	0	0			0	ŏ	ŏ	0	ŏ	ŏ	ŏ	0	10	10	10	0	20	0
	-	~	7	~	-	~	-	-	-	0	-	3	0	-	-	0	0	-	0	3	3	0	3	3	6	3	3	3	8	55	0
	-	0		:	:	:	•		6	6	. 6	. 6	:	2.		. 9	.9	8	0	:			0	0			•	:		00	
3	AI	0		-	-	-	~	-	-	-	7	7	0	6	0	6	6	0	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ö	ŏ	ŏ	o	00	0
VISIBILITY (STATUTE MILES)		1	7	1	1	~	~	6	6	6	6	6	0	-	-	0	0	-	0	6	0	0	0	증	0	0	등	10	0	50	56
2	7.	:		:	:	:	:					. 6	•		2	0		8	:			•		:		0	0		:	00	:
5	Al	3	74	2	7	7	76	7	19	19	2	19	8	92			6	6	ŏ	8	ŏ		8	ŏ	ŏ		ŏ	ö	ŏ	29	50
STA		1	1	1	-	-	~	-	0	6	100	3	•	1	-	0	0	~	믕	등	믕	3	쥥	중	믕	믕	등	궁	긍	32	100
7	7.	:			:	:							•			:	:													:	
=	Al	3		2	7	2	20	7	79	19	2	7	8	6	95	6	96	86	3	8	8	8	8	ö	8	8	00	00	8	80	
Sis		~	2	1	1	~	~	0	-	0	~	~	~	~	0	0	0	~	70	70	70	70	증	중	7	3	10	70	10	77	10
>	~			•	•			•			•	•	•	•	•	•		•	•		•	•.	:	:	•	•		•	•	•	
	Al	9		7	7	7	76	7	79	79	79	19	8	6	6	96	96	96	0	C	0	00	0	0	00	00	00	100	0	100	88
	-	-	1	-	-	-	~	1	0	m	3	-	0	-	0	0	0	~	증	0	3	5	3	증	금	7	등	70	궁	35	100
	272			:	:	:	:						•									:			:	•		•			: :
	AI	09	74	7	7	2	76	75	19	13	79	19	3	92	6		6	86	8	0	ŏ	ö	8	ŏ	ö	00	0	00	ŏ	200	0
	-	-	2	-	2	-	~	m	-	0	~	0	m	~	0	0	0	2	0	0	3	증	70	금	2	C	0	10	70	50	_
	-	:		:	•			•	•		•	•	•		:	•		:		•	:	-	:	3	:	-	:	-	:		
	AI	100		7	74	7	70	79	79	19	19	19	8	9.	95	96	96	96	00	00	00	8	00	8	8	00	00	00	00	000	
	-	-	-	-	-	-	~	m	-	6	1	10	0	~	6	C	0	-	0	10	0	0	5	3	5	10	0	10	0	70	0
	-	1:	:	:		:							•					:	:			:		:			:				
	Al	9		7	7	74	76	7	79	10	15	79	8	92	95	96	36	86	8	8	8	8	8	8	8	0	00	100	8	88	00
		-	~	~	-	~	-	100	-	0	0	0	m	-	6	0	0	-	3	7	-	0	3	8	3	1	0	1	0	50	4 -4 .
		:	•	:			•					•	•	•		-		-	-	-	-		-	-		-	-	-	-	-	
	Al	9	74	74	74	7	76	79	79	7	7	79	8	92	6	36	96	36	00	0	0	00	0	0	0	00	0	0	0	8	0
		-	-	-	-	-	~	-	-	-	-	-	-	-	1	0	0	-	7	10	3	7	금	7	3	7	7	7	70	37	17
				•	•		•					•	•	•		:	•	•			•	•	:	:	•	•	•	:	:	:	
	AI	9	74	74	7.4	7	76	79	79	19	79	19	81	92	6	96	96	86	8	00	0	00	0	0	00	00	00	00	0	00	100
	-	-	-	-	-	-	-	-	-	-	-	-	~	-	-	~	~	1	7	7	2	7	7	7	7	7	7	7	2	37	100.0100.0100
	2									•		•	•	•	•	•	•	•			•	•		•	•	•		•	•	•	
	AI	9	74	74	12	74	76	29	19	19	19	10	81	92	99	96	96	86	00	00	00	00	00	00	00	00	00	00	00	8	0
		F		_	_	_	_	_		_				_		_			~	-	~	-	-	-	-	-	-	-	-		4
0		1º				1		1													- 1		- 1								
Ž	EET	1	Š	8	16000	1 8	12000	8	8	88	7000	8	200	150	4000	350	3000	250	2000	1800	50	1200	8	8	8	2	8	8	4	88	80
CEILING	•	NO CEILING	> 20000		A		1		A		IAI		M		14		M		٨ı	Al			AI	A	A	A	Al	A	AI	AIA	I AL
									-41528		0000000	1000			- CONTRACT	111111111111111111111111111111111111111			-	100000	-					100000		1			1

0

0

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT STATION AND I

0

0

0

40

4

CEILING	1						2	SIBILITY (S	VISIBILITY (STATUTE MILES)	LES)		r'				
(FEET)	2 1	9 11	\$ AI	AI	AI	Z 2%	AI	Y1 %	VI 3/1	Ā	X Al	₽ Al	Z AI	N 5/16	NI N	0 11
0	46.7	46.7	46.7	46.7	46.	7 46.	7 46.7	1 46.	7 46.7	46.7	46.	46.7	46.7	46.7	46.7	46.7
≥ 20000	64.0	64.0	64.0	64.0	64.		0 64.0	64.	0.49 0	64.0	64.0	64.0	04.0	64.0	0.49	0.49
18000	64.0	64.0	64.0	64.0	64.	64.	0.99 0	64.0	0.49	64.	0.49	0.49	64.0	0.49	0.49	0.49
	64.0	64.0	64.0	64.0	64.	0 64.	0 64.0	64.	0.490	64.0	64.0	64.0	64.0	0.49	0.49	0.49
14000	64.0	64.0	64.0	64.0	64.	0 64.	0 64.0	64.	0.49 0	64.0	64.0	64.0	64.0	0.49	0.49	0.49
≥ 12000	64.7	64.7	64.7	64.7	64.	64.	64.	1 64.	7 64.7	. 50	64.	64.7	64.7	64.7	64.7	64.7
N 10000	66.0	0.99	0.99	0.99	66.	66.	0.99 0	9	0.99	.99	0.99	0.99	66.0	0.99	0.99	0.99
0006	66.0	66.0	66.0	66.0		•		66.	0.99	66.0	66.0	66.0	66.	66.0	0099	66.0
8000	66.0	0.99	0.99	66.0	.99	66.	0.99 0	66.0	0.99 0	.99	0.99		-	0.99	0.99	0.99
	66.0	0.99	0.99	66.0	.99	-	.99	0	0.99 0	0.99	0.99	0.99	66.	0.99	0.99	66.0
0009	66.0	66.0	0.99	0.99	.99		0.99 0	66.	0.99 0	66.				0	0.99	0.99
2 2000	70.0	70.0	70.0	70.0	0	70.	70.	70.	70.	70.0	70.0	70.0	70.0	2	70.0	70.07
4500	88.7	88.7	88.7	88.7	88.	3	7 88 .7	7 88.7	7 88.7	00	88.7	88.7		88.7	88.7	88.7
1 4000	89.3	90.0	0.06		0	0 90.0	0.06 0	90.	0.06 0				90.0	0	0.06	0.06
3500	89.3	90.0	0.06	90.0	.06	90.	0.06 0	90.	0.06 0	90.0			•	90.0	0.06	0.06
3000	90.0	90.7			.06	90.	0	.06	0	.06	.06			90.		90.7
2500	97.3	98.0	0.86	98.0			0.86 0	0	0.86 0	6	0.86		98.0	98.0	0.86	98.0
7 2000	99.3	100.0		0.001	100.	0100.		100.0	0100.0	100.	0100.0	100.0	100	100.00	100.00	00.00
1800	99.3	100.0	100.001	0.001	100	100.			0100.0	100.	0.0010	10000	100.	100.0	100.001	0.00
2 1500	66.3	100.00		100.0		100		-	0.0010	100.	0100.0	100.0	100.0	100.0	00.00	0000
1200	99.3	100.001	100.001	0.001	1001	0100.0	0100.0	100.0	0100.0	100.	0100.0	10000	100.0	100.0	100.001	0000
N 1000	99.3	100.0	100.001	100.0	100.	0100.	0100.0	100.0	010010	-	1000.0	100.0	100.0	100.0	10000	0000
006 AI	99.3	100.0	100.001	0.001	100	0100.0	0100.0	100.0	0100.0	100	0100.0	-	100.0	10000	100.001	0000
80	99.3	100.0	100.001	100.0	100.	0100.0	0100.0	100.0	0100.0	100.0	100.0	100.0	100.0	10000	100.00	0000
700	99.3	100.0	100.001	100.0	1001	0100.0	0100.0	0100.0	0100.0	100.0	100.0	100.0	100.0	100.0	100.001	00.00
009	99.3	100.0		100.0	100.	0100.0	0100.0	1000	0.0010	100.0	1000.0	100.0	100.0	100.0	10000	00.00
200	99.3	100.01	100.001	100.0	100	0100.0	0100.0	0100.	0100.0	100.0	100.0	-	100.0	10000	100.001	00.00
	99.3	100.0	100.001	100.0	100	0100.0	0100.0	100.0	0.0010	100.0	1000.0	100.0	100.0	100.0	100.00	00.00
300	66.3	99.3100.0100.		100.0	100	0100	0100.0	100.0	0100.0	100.0	100.0	100.0	100	100.0	00.00	0000
200	99.3	10000	100.001	0000	100	0100	0100.0	100.0	0.0010	100.0	100	1000	100.0	10000	0000	000
VI VI	99.3	100.0	100.001	0.001	100	0100.	0100.0	100.0	0100.0	100.0	100.0	100.0	100	100.0	100.001	0000
•	99.3	100.0	100.001	100.0	100	0100	0100	100	0100.0	1000	100	100.0	100	100.0	100.0	0000

0

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWAIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....

CEILING					-	-				-	-			-			-	1		
(JEE)	2 1	o Al	AI .	VI	AI	е е	2 2%	AI	۷۱ ۶۲	Al	7.1	-	VI %	AI .	*	Z N	VI Vi	5/16	× ×	AI O
			40	.040	0 40	0	0	40.0	40	0	4	0	40	4	0.0	40.			0.0	40
Z 20000	-	•	56.	100	*	1	56.7	56.7	56.	7 56	7 5	16.7	56.	7 50	2.1	56.	7 56		56.7	56.
18000			.95	7 56.	7 56	1.1	56.7	56.7	. 56.	7 56	1.	16.7	56.	7 5	2.1	56.		1	26.7	56.
≥ 16000			.95	7 56.	7 56	1.1	56.7	56.7	56.	~	7.	56.7	56.	7 50	2.1	56.	7 56		1.95	56.
			57.	3 57.	3 57		57.3		57.	~	.3	57.3	57.		1.3	57.	3 57	.3	57.3	57.
≥ 12000			58.	58.	0 58	0	58.0	58.0	58.	5	.0	58.0	58	0 2	9.0	58.	58	0	58.0	58.
¥ 10000			58.	7 58.	7 58		58.7	58.7	5	7 58		18.7	58.	7 5	3.7	58.	7 58	. 7	58.7	58.
0006			58.	7 58.	7 58	1.1	58.7	58.7	58.	7 58	.7 5	58.7	58	7	2.1	58.	7 58	-	58.7	58.
			58.	7 58.	7 58	.7		58.7	. 58.	7 58	.7	18.7	58.	7 5	3.7	58.	2 58	-	58.7	58.
7000			58.	7 58.	7 58	.7	58.7	58.7	58.	7 58	.7	58.7	58	7 5	3.7	58.	2 58		58.7	58.
			58.	7 58.	7 58	.7				7 58	.7	58.7	58,	7 5	3.7	58.	7 58		58.7	58.
2000			65.3	3 65.	3 65	.3	65.3	65.3	1 65.	3 65	.3 6	55.3	65	3	2.3	65	3 65		55.3	65
× 4500			83.	3 83.	-	.3		3		80	.3	33.3		3	3.3	83.	83	.3	83.3	83.
4000			7 84.	7 84.	7 84	.7		84.7	. 84.	7 84	.7	84.7	84.		4.7	84.	7 84		84.7	84.
3500			1 84.	7 84.	7 84	1.	84.7			7 84	.7	34.7	84.	7 8	1.1	84.	7 84		84.7	84.
3000			7 86.	7 86.	7 86	.7	86.7	86.7	7 86.	7 86	.7 8		86.	7 8	6.7	86.	7 86		86.7	86.
2500			100	0100	0100	.01	0.00	100.0	20	0100	10.	0.00	100	010	0.01	0	0100	10.	0.00	001
2000			100	-	-	10.	0.00	0	-	-	.01	0	100	010	0.01	00	0100	.01	0000	100
1800			100	0100	0100	.01		100.0	10	0010	.01	0.00	100	0	.0	0	0	10.	0.00	100
≥ 1500			100	-	0100	.01	0000		-	0100	.01	0000	10	0	0.0		-	6		100
1200			100	0100	0100	.01	0.00	100.0	0100	0100	.01		100	0100			0100	10.	0.00	100
1000			100	0100.	0100	.01	00.00	100.0	-	0100	.01	00.0	100	010			-	10.		100
8			100	0100	0100	0.	0000	100.0	100	0010	6		100	0	0.0	00	0100	10.	0.00	100
008			100	-	-	10.	00.00	100.0	100.	-	.01	00.00	10	0	0.01	0	-	10.		100
780			100	0100	0100	10.	0000	100.0	0100	0010	10.	0.00	100	0	0.01	0	0100	10.	0.00	100
8			100	0100	0010	6	0.00	•	0100	0010	6.	0.00	100	010	10.0	00	2	6	0.00	001
200			100	0100	0100	10.	0000	100.0	100.	0100	10.	0.00	100	0	0.01	0	0100	.01	0.00	001
904			100	-	0100	6	00.00	ò		0010	9	0000	100	010	0.0	100	10	6	0.00	001
300			100	0100	0100	0.	0000	100.0	100.	0100	.010	0.00	100	010	0.0	00.	0100	10.	0.00	001
200	66.3	66		0100	0100	0.0	00.00	100.0	100.	0100	-	000	100	010	0.0	00	0100		0.00	100
8			1001	0100.	0100	3	0.00	100.0	100.	0100	6	0.00	001	010	0.0	8	0100	0	0.00	901
•			-				-				•		•		-	1				-

TOTAL NUMBER OF OBSERVATIONS

BARBERS PUINT, HAWALL

RCENTAGE FREQUENCY OF OCCURRENCE	A HOURLY OBSERVATIONS)
PERCENTAGE F	(FROM H

VISIBILITY (STATUTE MILES)	22 21% 214 21 23 24 24 25/16 24 20	.0 48.0 48.0 48.0 48.0 48.	2.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 6	2.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7 6	3.3 6	64.0 64.0 64.0 64.0 64.0 64.	64.7 64.7 64.7 64.	.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 6	.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67	.3 67.3 67.3 67.3 67.3 67.3 6	.3 67.3 67.3 67.3 6	7.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 6	7.01 70.7 70.7 70.7 70.7 70.7 70.7 70.7	.3 87.3 87.3 87.3 87.3 87.3 87.3	8.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7	.7 88.7 88.7 88.7 88.7 88.7 88.7 8	.3 89.3 89.3 89.3 89.3 89.3 89.3 8	7 98.7 98.7	0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100	0100.0100.0100.0100.0100.0100.0100.01	.0100.0100.0100.0100.0100.0100.0100.0100.010	.0100.0100.0100.0100.0100.	0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100.010	0.00100.0100.0100.0100.0100.0100.0100.0100.010	.0100.0100.0100.01	.0100.0010.	0.0100.0100.0100.0100.0100.0100.0100.0100.0100.0	.0100.0100.0100.0100.0100.0100.0100.0100.010	.0100.0100.0100.0100.0100.0100.01	.0100.0100.0100.0100.0100.0100.010	0.0100.0100.0100.0100.0100.0100.0100.0100.0100.0
	* Al	48.0 48.	62.0 62.	2.7 62.7	3.3 63.3	64.0 64.0	64.7	1.99 7.99	67.3 67.3	.3 67.3	7.3 67.3	3 67.3 67.3 6	.7 7	7.3 8	8.7 88.7	8.78	9.3 89.3	.7 98.7	100.0010.001	.0100.01	.0100.	0100.0010	0100.0010	100.0100	100.0100	100.0100	100.0100.	100.0100.	100.0100.	100.0100.	100.0100	0100.0100.010	0100.0100.010
ITY (STATUTE MILES)	21 2 21%	.0 48.0 4	2.0 62.0 62.	2.7 62.7 6	3.3 63.3 6	4.0 64.0	64.	6.7 66.7 6	7.3 67.3 6	7.3 67.3 67.	7.3 67.3 67.	7.3 67.3 67.	.7 7	.3 8	8.7 88.7 8	.7 88.7 8	.3 89.3 8	.7 98.7	.0100.01	0100	0100	.0100.0010.	.0100.0010.	0100.0	0100.0	0100.0	0.0010.01	0.0100.010	0.0010.0	0.0100.010	.0100.01	0.0100.0100.0	0.0100.0100.0
VISIBIL	-	48.	62.0 62.	62.7 62.7	63.3 63.3 6	-	64.	6.7 66.7	3	67.3 67.3 6	67.3 67.3 6	67.3 67.3 6	70.7 70.7 7	7.3	.7	88.7 88.7 8	89.3 89.3 8	. 7	100.0100.01	.0100.01	100.0100.	.0010.00.	.0010.00	.0100	0100.0	.0100.0	.0100.01	0.0010.0	-	0.0010-0	0.0	100.010.010	100.0100.010
	E 4 7 2	0.84 0.84 0	0 62.0 62.0	62.7 62.		64.0 64.	64.	7 66.7 66.7	7.3 6	3 67.3 67.3	3 67.3 67.3	\$ 67.3 67.3	7 70.7 70.7		7 88.7 88.7	7 88.7 88.7	89.3 89.3	7 98.7 98.7	100.010	.0100.0	100.0100.0	100.0100.001	100.0100.0	100.0100.001	100.0100.0	.0100.	0100.0100.0	0100.0010	0.0010.0010	100.010	0.0	0.0010.0010	0.0010.0010
	9 41	48	62.0 62.	62.7 52.	63	40	64.7 64.	99	67	67	67	67	2	3 87.3 87.3	8	88	89	98	66	99.3100.	66	99.3100	99.3100.	99.3100.	99.3100.	99.3100.	99.3100.	99.3100.	66	99.3100.	99.3100.	66	66
CEILING	(FEET) > 10	. 8	2	2	16000 63		12000 64.	≥ 10000 56.	9000	8000 67.	67.	₹ 6000 67	2000	2 4500 87.	4000	≥ 3500 88.	3000 89.	2500 98.	66	₹ 1800 99.	1500 99	≥ 1200 99.	1000	66 06 AI	66	× 700	66 000	× 800 54	66 007	300 66	66 002	2 100 99.	66 0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAMAII

....

CEILING (FEET)								IBILITY (ST		_ /						
	0 4	9 11	5 2	7,1	F 1	2 2%	12.5	21.71	71.1	-	**	* ^1	Z AI	≥ 5/16	× AI	۸۱
NO CEILING	58.7	58		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58
2000	72.0	_		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72
≥ 18000	72.0	72		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72
	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	7207	72.7	72.7	72
≥ 14000		73.	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73
	74.7		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	2
N 10000			74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	1
	74.7	74.7	74.7	74.7	74.7	74.7	76.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
	. 5		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
> 7000			74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
0009 A	74.7	1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	7
	78.0		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.
4500	95.3	95.	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3		95.3		95.3	95.
	96.7	96.	7.96	96.7	96.7	96.7	96.7	96.7	7.96	96.7	96.7	96.7	96.	1 96.7	96.7	96
3500	97.3		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	1 97.3	97.3	97.
> 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	1 97.3	97.3	97
2 2500	99.3	99.3	66.66	99.3	99.3	86.3	86.66	66.3	66.3	99.3	99.3	86.3	99.3	1 99.3	66.3	66
2000	100.0	100.0	100.001	10000	100	100.0	10001	100.0	100.0	100.0	100.0	10000	100.0	100.0	100.0	100
1800	100.0100.0100	100.0	100.001	0.001	100.001	100,001	100.0	100.0	100	100	.00	100	100	100	100.0	100
1500	100.0	100.0	100.001	0000	100.0	100.0	10001	100.001	8	100	0.0010	-	-	100	0100.0	100
1200	100.0	100.0	0	100.00	100.0	100	10000	00	100.0	100	00	00	8	100	•	-
8	100.0	100.0	0	100.0	100.0	100.0	100.001	100.001	100.0	100.0		001		100	0100.0	100
98 AI	100.0	100.0	100.001	10000	100.0	100.0	100.0	-	100.001	00	00	100	00	100.	001	8
8	100.0	100.0	100001	0.001	100.0	100.0	10000	100.0	100.001	10000	100.0	-	-	100.0	100.0	801
78	100.0	100.0	100.001	10000	100.0	100.0	100.001	100.0	100.001	00	00	100	100	100	0100.0	100
8	100.0	100.0	100.001	100.00	100.0	100.0	10000	100.0	100.001	100.001	100.0	100	100.0	100.	0100.0	100
8	100.0	100.0	-	0.001	100.0	-	100.0	100.0	0	100	100	100	100	100	100	100
8	100.0	100.0	100.001	0000	100.0	100.0	100.0	100.0	100.0	100.0	00	100	9	100.0	100.0	8
88	100.0100.0100	10000	_	0.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0000	90	100.0	100.0	8
	1000	0.001	500	0.00	0000	000	0.00	000	0.00	0001				900	200	3
VI VI	000	000		000	000	100	000	1000	100	1000	100		100	100	1000	000
	2000	2000	5	2		2000	2000	2	2							

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT STANDARD I

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING									VISIBIL	ITY (STA	VISIBILITY (STATUTE MILES)	(S31)										
(FEET)	0 1	9 11	\$ 41	VI	AI	6	≥ 2%	N N	ΛI	11%	VI 72	ΑI	-	N N	AI	*	2 11	AI .	5/16	N N	٨١	
NO CEILING	70.7	70.7	70.7	70.	7 7		70.7	70.	7 7	0.7	. •	-			1	.7		-		70.1	70	
≥ 20000	78.0	78.0	78.0	78	0	8.0	78.0	7	7	8.0	78.0	78	0	78.	0 78	0	78.	0 78	8.0	78.	76	
N 18000	78.0	78	78.0	78	0 7	•	78.0	78	7	8.0		7 8		78.	2 78	0.	78.	0 78	3.0	78.0	78	•
≥ 16000	78.0	78	78.0	78	0	8.0	78.0	78.	7	8.0	78.0	7	0.		0 78	0	78.	0 78	8.0	78.0	78	•
≥ 14000	79.3		79.3	79.	3 7	6.6	79.3	79.	3 7	6.6	79.	3 79		79.	3 79	.3	19.	3 79	6.6	79.3	1 79	
× 12000	80.7	80.7		80.	7 8	1.0	80.1	00	7 8	1.0	80.7	7 8 0	.7	80.	7 80	1.	80.	7 8	1.0	80.	80	•
V 10000	81.3	81.3		81.	3	1.3	81.3	81.	3	1.3	81.3	8		-	3 81		81.	3	6.1	81.3		•
000	81.3	81.3		81.	3 8	1.3	-			1.3	81.	3 8	4	81.	3 81		81.	3 8	.3	81.3	8	•
0008 AI	81.3	81.3		81.	33	1.3	81.3	8	3	1.3	81.3	8		-	3 81		81.	3	.3	81.3	8	•
1	61.3			81.	3	1.3	-		3 8	1.3	81.	8		81.	3 81		81.	3 8		81.	8	•
0009	61.3			81.	3	1.3	-	81.	3	1.3	81.3	3 81		81.	3 81		81.	3	6.1	81.3	8	•
	81.3			81.	3	1.3	81.3		3 8	1.3	81.	8	6		3 81	.3	81.	3 8	.3	81.3	8	•
× 4500	96.0			96	6 0	0.9	.9		6	0.0	96.0	96	0	96.	96 0	0	96.	6 0	0.9	96.0	96	•
	96.7	7.96	7.96	96		2.9		0	6	6.7		1 96	•		1 96		96	1 9			96	
3500	97.3	97.3	97.3	97.	3 9	7.3	97.3	1 97.	3 9	7.3	97.3	3 97	.3	.16	3 97	.3	. 16	3 6.	7.3	97.3	16	
	97.3	97.3	97.3	97.	3	7.3	97.3	1 97.	3	7.3	97.3	-		97.	3 97	.3	97.	3 6	7.3	97.3	19	
2 2500	100.0100.0100	100.00	100.0	100	010	0.01	00.0	100	010	0.01	00.0	100	10.	00	0100	10.	00	0100	10.0	00	100	•
2000	100.00	100.00	100.0	100.	010	0.01	00.0	100.	010	0.01	00.00	-	10.	00	0100	10.	00	0100	10.0	00	100	•
V 1800	100.001	100.00	100.0	100	010	10.0	00.0	100	010	0.01	00.0	100	10.	00	0010	90	00	010	10.0	00	100	•
1500	100.0	100.00	100.0	100.	010	0.01	00.00	100.	010	0.01	00.0	100	.0	00	0010	10.	00	010	10.0	00.0	100	
1200	100.001	100.00	100.00	100.	010	0.01	00.0	100	010	0.01	00.00	100	0.	00	2100	30.	00	0100	10.0	000	200	
	100.00	100.00	100.00	100	010	0.01	00.0	100	010	0.01	00.00	100	.01	00	0100	10.	00	0100	10.0	000	100	
8	100.00	100.00	100.0	100	010	0.0	00.00	100	010	0.01	00.0	3100	.01	00	0010	10.	00	010	10.0	00.0	001	•
	100.0	100.00	100.0	100	010	0.01	00.0	100	010	0.01	00.0	3100	.0	00	0010	60	00	010	10.0	00.0	100	•
8	100.0	100.00	100.0	100	010	0.01	00.0	100	010	0.01	00.0	100	10.	00	2100	10.	00	0100	10.0	00	100	•
8	100.001	100.00	100.0	100	010	0.0	00.0	100	010	0.01	00.0	100	6.	00	0010	10.	00	0100	10.0	000	200	
88	100.0	100.00	100.0	100	0100	10.0	00.0	100	010	0.01	00.0	0010	10.	00	010	10.	00	0100	10.0	00.00	100	
- 1	100.0100.010	100.00	100.0	100	010	0.01	00.0	100	010	0.01	00.0	100	.0	00	210	0	80	010	100	00.0	100	
38	100.0100.0100	100.0		100	010	0.0	00	100	010	0.01	00.0	0010	0.	00	0010	0	00	010	10.0	00	100	•
8	100	0000	•	100	010	0.0	00	100	010	0.01	00.0	201	0	00	0010	0	00	010	6	00	100	•
80	1000	000	0	100	010	9	000	100	0010	0.0	000	001	6	000	0010	0	000	0	8	000	001	•
1	100.0	000	9	100	0010	5	000	100	0010	0	00.0	0010	.0	90	200	5	3	010	000	00.00	01	•

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAII

13-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOUSE (E E T.

TEET) 2 10 2 6 2 5 2 4 2 5 2 2 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		VISIBI	VISIBILITY (STATUTE MILES)	ES)					
CELLING 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.		2 4	21 2 21 2	AI AI	Al Al	Z Al	2 5/16	N AI	0 1
20000	57.7 57.7 57.		7.7 57.	.7 5	57.	57.7		7.7	57.7
18000 70.0 70.0 70.0 70.0 70.0 70.0 70.0	6.69	9.9	6.6	9.9	69.	6.69	66.69	6.6	66.69
12000 70.2 70.2 70.2 70.2 70.2 70.2 70.2	70.0 70.0 70.	0.0	.0 70	7 0.0	.0 7			0.	70.0
12000 72.6 72.6 72.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71	70.2 70.	70.2	70.2 70.2	70.2 70	.2 70.	70.2	70.2	0.2	70.2
12000 72.8 72.8 72.8 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9	70.7 70.7 70.	.7	.7 70.	. 7.	.7 70.				70.7
10000 72.8 72.8 72.8 72.8 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9	71.6 71.6 71.	_	71.6 71.6	71.6 71	.6 71.		71.6		71.6
2000 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9	72.8 72.8 7		.8 72.	.8 7	.8 7	72.8	72.8	72.8	72.8
2000 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9	72.9 72.9 72.	72.9 7	12.9 72.9	-	.9 72.	72.9	72.9		12.9
72. 9 72. 9	72.9 72.9 72.		.9 72.	. 9.	.9 7	72.9	72.9	72.9	72.9
2000 73.0 73.0 73.0 73.0 73.0 73.0 73.0 7	72.9 7	72.9 7	12.9 72.9	1	.9 72.		72.9	72.9	12.9
2500 75.6 75.6 75.6 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8	73.0 73.0 73.	0	3.0 73.	.0.7	.0 73.	73.0		•	73.0
2500 91.8 91.8 91.8 91.8 91.8 92.0 93.0 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1	75.	75.8 7	-	75.8 75	.8 75.	75.8	75.8	75.8	75.8
2500 93.0 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1	91.8 91.8 91.	1.8	1.8 91.	. 8 9		-	91.8		91.8
3500 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93	3.1 93.1 93.		3.1 93.	3.1	.1 93.	93.1	3	3.1	13.1
2500 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9	3.3 93.3 9		3.3 93.	.3 9	.3 93.	93.3	93.3	.3	93.3
2500 98.8 98.9 99.0 99.0 99.0 99.1 1200 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9	3.8 93.8 93.	3.8	3.8 9	3.8 9	.89	93.8	3.	. 8	
2000 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9	.66 0.6	0.6	6	66 0.66	.66 0.	0.66	0.66	0.66	0.66
1200 99.7 99.8 99.9 99.9 99.9 99.0 99.0 99.0 99.7 99.8 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9	9.9 99.9 99.	66.66	9.9 99.	.99	. 66 6.	•	6.66	6.	6.60
1200 99.7 99.8 99.9 99.9 9 1200 99.7 99.8 99.9 99.9 9	6 6.66 6.66	6.6	6.6 6.6	6.	6 6.	6.66	6.66	6.	6.66
1200 99.7 99.8 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.0 99.7 99.8 99.9 99.9 99.9 99.7 99.8 99.9 99.9	99.9 99.9 99.	6 6.66	9.9 99.	6 6.6	.66 6.	6.66		6.	6.60
1000 99.7 99.8 99.9 99.9 9 100 99.7 99.8 99.9 99.9 9	6 6.66 6.66	6.6	6.6.6	6 6.6	6 6.	6.66	6.66	6.	6.64
99. 7 99. 8 99. 9 99. 9 9 9 9 9 9 9 9 9 9 9 9	99.9 99.9 99.	66.66	9.9100.	0	.0100.01	00.01	00.00	-	00.00
200 99.7 99.8 99.9 99.9 9 9 9 9 9 9 9 9 9 9 9 9	6 6.66 6.66			10.	.0100.	0	00.00	-	0.00
700 99.7 99.8 99.9 99.9 9 9 9 9 9 9 9 9 9 9 9 9	99.9 99.9 99.	6	9.9100.	0		.00.01	00.00	-	00.00
200 99.7 99.8 99.9 99.9 9 90.9 9 90.9 9 90.9 9 90.7 99.8 99.9 99.9 99.9 90.9 90.9 90.9 90.9	.66 6.66 6.66	6		100.0100	.010	.00.00	00.00	0.01	00.00
200 99.7 99.8 99.9 99.9 9 9.0 9 9.0 9 9.0 9 9.7 99.8 99.9 99.9 9 9.0 99.7 99.8 99.9 99.9 9	99.9 99.9 99.		.0016.6	0	.010	.00.01	00.00	-	00.00
200 99.7 99.8 99.9 99.9 9 200 99.7 99.8 99.9 99.9 9	66 6.66 6.66	6.		100.0100		100.00	00.00	0.01	0.00
200 99.7 99.8 99.9 99.9 9	99.9 99.9 99.	6	9.9100.			.00.00	00.00	00.00	0.00
200 99.7 99.8 99.9 99.9	6.66	6.	0.0016.6	100.0100		0	00.00	-	00.00
0 00 00 00 00 00	99.9 99.9 99.	66.66			.010	00.00	00.00	0.01	0.00
100 4.44 B.44 L.44 001	6 6.66 6.66	6 6.66		100.0100	.0100.01	.00.00	00.00	-	0000
9.7 99.8 99.9 99.9	99.9 99.9 99.	6.6			.0100.01	00.00		10.0	0.00

TOTAL NUMBER OF OBSERVATIONS

1200

BARBERS POINT STRAIN PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (S	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2 1	10	\$ 41	4 4	1 3	≥ 2%	. 2	¥1 ¥	¥1 Y	- AI	% Al	*	Z AI	≥ 5/16	× Al	0 11
NO CEILING	-	1	76.8	76.8	76.	8 76.8	1 76.8	76.8	76.8	76.8	16.8	76.8	76.8	76.8	76.8	76.8
> 20000	78.7	78.		78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
			78.7	78.7		7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.7	78.		78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2 14000		78.		78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	78.7		78.7	78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
				78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
0006 AI	78.7	78.7	78.7	78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000	78.7	78.7	78.7	78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
> 7000	78.7	78.7	78.7	78.7	78.	7 78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9009	78.7	78.7	78.7	78.7	78.	7 78.7	7.87	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2 5000	80.0	80.0	80.0	80.0		0.08 0	8	80.0	80	80.0	8	80.0	80.0		80.0	80.0
4500	95.5	95.5	95.5	95.5		95.	95.	95.5	95.5	95.5	95.5	95.5	95.5	3	95.5	95.5
7 4000	97.4	97.4	97.4	97.4	97.	4 97.4	97.4	97.4	97.4		97.4	97.4	97.4	97.4	97.4	97.4
3500	97.4	97.4	97.4	97.4	97.	4 97.4	4.79	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
3000	97.4	97.4	97.4	97.4	97.	4 97.4	4.76	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2500	100.0100.0100	100.0	100.0	100.0	100.	0100.0	0100.0	100.0	100.0	100.0	100.0	10000		10000	100.0	100.0
7 2000	100.0	1100.0	100.0	100.0	10	0100.0	100.	-	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0
180	100.0	100.0	100.0	100.0	100.	0100.0	0100.0	-	100.0	0	-	100.0	10	10000	100.001	100.0
2 1500	100.0	100.0100.010		100.0	100.	0100.0	1001	100	0100.0	100.0	100.0	100.0	100.0	100.0	100.001	100.0
1200	100.0100.0100	100001	100.0	100.0	100.	0100.0	0100.0	100.0	100.0	100.0	100.0	100.0			100.001	100.0
VI 000	100.0	1000.0	0	100.0	100.	0100.0	0,0016	100.0	100.0	•	100.0	100.0	0,0010	100.0	100.001	100.0
8	100.0	10000	0	100.0	100		0100.0	100.00	-	10000	100	8	100	100	-	-
	100.0	1000.0	100.0	100.0	-	0100.0	0100.0	10000	100.0	100.	100.	0100.0	-	100.0	100	100.0
700	100.0	1100.0	100.0	100.0	100.	0100.0	0.0010	100.0	100.0	10000	-	100.0		100	-	100.0
00 A1	100.0	1100.0	100.0	100.0	-	0100.0	0100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	1100.0	100.0	100.0	100	0100.0	0100.0	100.0	100.0	100.0	-	10000	100.0	10000	100.0	100.0
84 AI	100.01	1100.0	100.0	100.0	100.	0100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	0100.0100	0000	100.0	100	0100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.0
	100.0	100.0100.01	100.0	100.0	100.	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	1000	10000	100.0	100.0
8	100.0	1100.0	100.0	100.0	1001	0100.0	10000	100.0	1000.0	100.0	100	-	10001	0	10000	100.0
	100.0	1100.0	.00	100.0	100.	0100.0	1100.0	100.0	100.0		10000	10000	1000	100.0	100.00	100.0

TOTAL NUMBER OF OBSERVATIONS

200

CEILING VERSUS VISIBILITY JAN 68

0.5 mount (1 s T)

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							2	ISIBILITY (S	VISIBILITY (STATUTE MILES)	(S3)						
<u> </u>	2	% AI	S)	AI	e Al	2 2%	7	۲۱ ۶	V 1%	<u></u>	AI	*	Z Al	2 5/16	× Al	٨١
CEILING	78.1	78.1 78.1 78.	-	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
> 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	7 80.7	80.7	80.7	0	80.7	80.7	80.7	80.7	80.7
18000	80.7	80.7	1	80.7	80.7	80.7	80.7		1 80.7	80.7	80.7	80.7		80.7	80.7	80.7
	80.7	80.7	-	80.7	80.7	80.7		7 80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
14000	80.7	90.7	11	80.7	1.08	80.7	80.7		1 80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	80.7	80.7	-		80.7		80.7	7 80.7	1 80.7		80.7			80.7	80.7	80.7
10000	80.7	80.7	-		80.7				80.7	80.7		80.7		80.7	80.7	80.7
0006 A1	80.7	80.7	-	80.7	80.7	80.7	80.7		80.	8	80.7		0	80.7	80.7	80.7
9000	80.7	80.7	-	80.7	80.7	0	80.	00	80.7		80.7				80.7	80.7
1 7000	80.7	80.7		80.7	80.7	80.7	80.7	_	1 80.7	80.7		80.7	80.7			
9009	80.7	80.7	80.7	80.7	0		80.	80.	80.	20		80.7				
2000	82.6	82.6	-	82.6	82.6	82.6					00	2.	2.	2.	82.6	82.6
4500	92.9	92.9	1 -	2.		92.9	92.	92.	92.	0	6		2.	92.9	92.9	
141	96.1	96.8	-	96.8	8.96		96.8	3 96.8		96.	96			9	8.96	96.8
3500	96.1	96.8	1 -			9	.96	96	96	.96	6		96.8		8.96	96.8
3000	96.1	96.8	8.96	96.8	8.96	96.8	8.96	3 96.8			96	•		•		96.8
2500	98.1	4.66	4.66	4.66	4.66	99.4	4.66	0		.66	4.66	4.66		6	4.66	4.66
× 2000	98.1	100.001	-	0.001	100.0	100.0	100	0.0010	1001	100.0	100			100	100.00	00.00
1800	98.1	100.001		10000	100.0	100.0	100.0	100.	10000	10	100.	10000	100.0	10	100.001	0.001
≥ 1500	98.1	100.001	-	0.001	100.0	100.	100.	100.	0.0010	100.	100.		0	100	100.00	00.00
1200	98.1	100.001	100.00	0000	100.0	100.	100.0	-	100	10	10	100.0	100.0	100.0	100.00	0.001
1000	98.1	100.001	-	100.0	~	100.0	100.0	-	100.	100.0	100.		0	100.0	100.001	00.0
8	98.1	100.001	-	0.001	100.0	100.0	10000	100.	0	100.	100.	10000	0	100.	100.001	0000
00 Al	98.1	3.1100.0100		0.001	100.0	100.0	100.	0100.0	100.	10	100.		0	100.0	10000	0000
	98.1	100.001		100.0	10000	-	100.	-	100.0	100.0	100		100.0	100.0	10000	
8	50	1100-0100		1.00.0	0	20	100	0100.0	0	10	100.0	100.0	0	100.0	100.001	0000
	98.1	100.001		0.001	100.0	100.0	100	~	100.	100.0	100.0	100.00	0	-	100.001	0000
00 A1	100	1100.001	100	0.001	100.0	10	1001	10		10	100.0	100.00	100.0	100.0	100.001	0000
	1.86	100.001	.00	0.001	100.0	100.0	100.	0100.0	0.0010		100.	100.0	100.0	100.0	10000	0.001
1 200	007	1100.01	•	100.0	100.0	100.0	100.0	3100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.00
8	•	100.001	100.001	100.0	100.0	100.0	-	0.0010	0.0010	100.0	100.0	100.0	100.0	100.0	0.001	0000
1	2	9	00.00	1000	100.0	100	1000	100	1000	100.0	0.001	1000	0001	100.0	0.001	000

0

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

20

0

4

Q)

BARBERS POINTS HAMAIT

....

4

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	TATUTE MI	LES)						
(FEET)	2 1	4 Al	8 41	1	1 3	≥ 2%	7 2	×1 ×	71 71	Ā	% Al	*	AI N	2 5/16	M AI	O AI
CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.	7 67.7	7 67.7	7 67.7	1 67.7	1 67.7	67.7
> 20000	75.5	75.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.	1 75.	750.	75.	75.	15.5	75.5
18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	1 76.1	76.1	1 76.1	76.1	76.1	76.1
≥ 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.	76.	76.1	1 76.1	76.1	76.1	76.1
14000	77.4	77.4	77.6	77.4	77.4	77.4	77.4	77.6	77.4	77.1	. 77.	. 77.	. 77.	17.4	77.6	77.4
7 12000	77.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.	. 77.	. 77.	17.4	77.	77.4	77.4
10000	77.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.1	77.	. 77.	. 77.4	77.	77.4	77.6
000	77.	77.	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.	77.	77.	17.4	77.	77.4	77.6
9000	77.4	77.6	77.4	77.4	77.6	77.4	77.4	77.4	77.4	77.	77.4	. 77.	. 77.4	. 77.	77.4	77.6
7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.	77.	. 77.	177.4	77.	77.4	77.6
9009	77.4 77.4 77.	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	. 77.	, 77.4	17.4	17.4	77.4	77.4
2000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.	7 78.	7 78.7	7 78.7	78.7	78.7	78.7
4500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0		89.0	3 89.0	89.0	0.68	99.0	89.0	89.0
C007 A	92.3	92.3	92.3	92.3	92.3	92.3	92.3	0	92.3		3 92.3	3 92.3	3 92.3	3 92.3	1 92.3	92.3
3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	3 92.3	3 92.3	3 92.	3 92.3	1 92.3	92.3
3000	92.3	92.3	6.26	92.3	65.3	92.3	92.3	92.3	92.3	92.3	3 92.3	92.3	3 92.3	3 92.3	1 92.3	92.3
2500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	4 97.4	4 97.4	4 97.4	97.4	4076	97.4
≥ 2000	100.001	100.001	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	100.0	0100.0	100.0	100.0	100.0
1800	100.001	100.00	100.001	0.001	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	3100.0	0.0010	100.0	0.0010	100.0
≥ 1500	100.001	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0		0100.0		0	-	10000	100.0
1200	100.0	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	100.0	0100.0	100.0	0.0016	100.0
1000	100.001	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0		0100.0	100.0		0100.0	1000.0	100.0
006	100.001	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100	0100.0	0100.0	0100.0	0100.0	10000	100.0
800	100.001	100.001	100.00	100.0	100,0	100.0	-	100,0	100	100	0100.0	1000.0	0100.0	0100.0	10000	100.0
78	100.00	100.00	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	0100.0	0100.0	0100.0	0.0010	100.0
8	100.0	100.00	100.00	100.00	100.0	100.0	-	100.0	100.0		0100.0	0100.0		0100.0	0100.0	100.0
88	100.001	0.00	100.00	0.001	100.0	100.0	100.0	100.0	100.0	100.0			0100.0	0100.0	0100.0	100.0
N 400	100.001	100.00	100.00	100.0	.0	100.0	100.0	100.0	100.0		100.		0,0010	100.	100.0	-
	100.001	100.00	100.001	100.0	100.0	100.0	10000	100.0	100.0	100.0	0100.0	•	100	0.0010	100.0	100.0
300	100.001	100.00	100.00	100.0	100.0	100,0	-	100.0	100.0	100.0	0100.0	0100.0	0,0010	100.0	100.0	100.0
8	100.001	100.00	100.00	100.0		100.0	100.0	100.0	100.0			100			10000	100.0
	100.001	100.00	0	100.0	0100.0	0100.0	100.0	100.0	100.0	100.0	0100.0	0100.0	0,0010	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINTS MAMAIL

....

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	2 11	9 11	\$ 1	4	E AI	¥2.¥	7	V1 7/	VI 72	- AI	% AI	*	Z AI	≥ 5/16	N Al	0 1
NO CEILING	58.1	.1 58.1 58.	58.1	58.1		58.1	8	58.1	58.1	58.1	58.1	58.1		58.1	58.1	56.1
2 20000	62.6	62.6	62.6	62.6	62.6	62.	62.6	62.6	95.6	62.6	62.0	95.0	2.	05.0	92.0	62.0
N 18000	62.6	62.6	62.6			62.6	62.6	65.6	62.6	62.6	62.6	62.6	5	62.6	95.0	62.6
> 16000	62.6	62.6		62.6		62.	62.6	62.6	2.	62.6	2	62.6	62.6	62.6	62.6	62.6
	63.2	63.2			63.2	63.	63.2	63.5	3	63.2	63.	63.5		63.5	63.2	63.2
≥ 12000	63.2	63.2			63.2	63.	3	63.2	3	63.2	63.	63.5		63.2	63.5	63.2
	63.9	63.9		63.9		63.	3	63.9	3	63.9		63.9	63.9	63.9	63.6	63.9
000 AI	64.5	64.5	64.5	64.5		64.			64.5	64.5	64.	64.5	3	64.5	64.5	64.5
1	65.8	65.8		65.8	3	65.	5.	5.	3.	•	65.	65.8	3	65.8	65.8	65.8
7000	65.8	65.8			65.8	65.	65.8	3	5	65.8	65.	65.8	65.8	•	65.8	65.8
1	65.8	65.8		3		65.		3.		5	65.	65.8	65.8	•	65.8	65.8
2000	67.7	67.7	67.7	67.7	-	67.	67.7	67.7	-	-	67.	67.7		67.7	7.	67.7
	83.9	83.9		3		83.	3		3.	3.	8	3.	3.		•	83.9
4000	85.2	85.2		85.2	i	85.	85.2	85,2			85.	3	2	3	2	-
	85.2	85.2		85.2	5	85.	5.	5.	5	3	85.	85.2	85.2	85.2	3	85.2
3000	86.5	86.5				86.	86.5			0	86.	•		9	9	86.5
2 2500	98.1 98.7	98.7	98.7	98.7		98.	6		7.86		.86		98.7	8		
N 2000	4.66	100.0		0		100.	100.			100.0	100	100.0	•	•	100.0	100.0
	4.66	100.0		0		100.	100	0	100.	0	-		0		•	
1500	4.66	100.0		.0	100.0	100	10	100.0		100.0	100	0	0	100.0	100.0	100.0
	4.66	100.0	100.0	100.0	100.0	100.0	10	100.0	100.0	100.0	100		0		100.0	100.0
1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0		100.0	100.0	0001
8 Al	4.66	100.0	100001	100.0	100.0		100.0	100.0	0	10000	100	0	_	10000	10000	100.0
	4.66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0001
	4.66	10000	100001	100.0	10000	100.0	100.0	100.0		10000	100		100.0	100.0	100.0	1000
8 Al	4.66	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
808	9.66	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	10000	10000	100.0
00 AI	99.4	100.0	100.001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0000
	4.66	10001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	10000	1000	10000	10000	100
× 300	4.66	10000	10000	100.0	100.0	100.0	10000	100.0	0.001	100.0	100.0	0000	100.0	1000	1000	0.001
8	9.66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	10000	100.0	100.0	10000	100.0
٨١	90.66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0000	100.0	100.0	100.0	100

TOTAL NUMBER OF OBSERVATIONS

480

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAMAII

CEILING							-	VISIB	VISIBILITY (STATUTE MILES)	TATUTE A	AILES)					-				
(FEE)	2	9	S) Al	AI	AI	AI	21%	7 Al	71 72	VI 7	AI	_	× Al	* Al	AI 2	Al	91/9	× Al	AI .	
NO CEILING	59.4	59.4	. 88		. 59.	4 59	4.	4.6	\$9.4	59.	4 59	4.	59.4	59.4	59	4.5	4.6	59.4	39	*
		67.1	9	9	4	0		40	_		9	1	4	•			4	4	_	7
VI VI 0008 0008 0008	67.1	67.1	67.	67.1	67	1 67	7.	67.1	67.1	67.	1 67	-:	67.1	67.	00	0 0	1:1	67.1	67.	
N 14000		67.1	67.	0	67.	0	-:	7.1		0	0	-	7.	67.				7.	67.	-
	67.7	67.7		67.	67.	9	-	7		9	9	1	1	67.			7.7	-	2	H
VI VI 0000 0000 0000	67.7	67.7	7 67.7	67.7	67.	7 67	-	7.19	67.7	67.	7 67		67.7	67.	67	44	7.7	67.7	67	44
0008		-		0		0	FI	7.7	-	0	0	-	-	1 -			7.7	-	1	F
	-	67.7		9	•	0	-			9	9						•			7
0000 Al A		67.7		0.	-	0	-		-0	67	0	-1	67.7	6		0	-	1000	5	-
	87.	87.		87.	27.	0 0		7.1		0 0	0 4				0 00				2	7
1 1 1	- 1	87.7		0	. 20		1	87.7			0 00	1		:			7.7	-	87	1
> 3500		87.7		87.	87.	8		7.7	7.	80	00		7.	2	00			87.7		1
2 3000		91.6	1	91.	6 91.	0	•	9		0		9.	-	-	0			-		0
2 2500	4.66	100.0	-	100.	0	2	0	10.0	0	-	10	9	00.00	00	2	-	0.01	000	100	0
		100.0	-	100	100	9	0	0.0	0	2	0	0	0	00	9	-	•	0	-	0
VI VI 081 082	3 3 6 6	100.0	-	000	100	0100	25	00000	000	000	0100	22	000	001	0010	010	0.0	000	000	00
1	99.4	100.0	12	100	100	10	0	10.0	0	10	10	6	0	0	10	10		6	10	0
1000		100.0	-	100.	0	-	.010	.01	00.00	10	10	10.	0		10		•	0	10	0
0 S	4.66	100.0		100.0	0	0100	.010	5		100	0100	9	0	0	0010	010	10.0	000	00	0
		100.0		-	100		0	0.01		9	9.	0	0	0	9	-	•	0	0	0
VI V	3.00	1000	-	100	0010	0010	30	000	000	000	0010	95	000		0010	000	000		000	00
		1000	-	-	100	200	5	0000				5	0		10	-	•			0
11 VI		100.0		-			010	0.01				0		0	2	010	0.0			0
88	4.66	100.0	100.0	-		0100	.010	10.00	000	100	0	9	0	100	0100	-	0.01	000	100	0
	4.00	100.0	-	9	100	0010	5	10.00	000	001	0010	9 5	9 6	9	3 6		5 6		001	5
8 °	96.	4100.0100	100.0	100.0	100	0100	10.	00.00	00.00	100	0100	010		00	100	010	0.0	00.00	100	0

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (1 S.T.)

2882

VISIBILITY (STATUTE MILES) 2.5 2.4 2.3 2.2% 2.2 2.1% 2.1% 2.1 2% 2.5% 2.5% 2.0 2.0	62.6 62.6 62.6 6	. 3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 7	.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72	.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72	.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72	9 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.	.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74	2 74.2 74.2 74.2 74.2 76.2 74.2 74.2 74.2 74.2 74.	5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75	.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 7	.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 7	.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 7	0 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6	.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 9	.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 9	.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94	.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.	0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.010	0100.0100.0100.0100.0100.0100.0100.0100	0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.010	.0100.0100.0100.0100.0100.0100.0100.0100	0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0	0100.0100.0100.0100.0100.0100.0100.0100.010	.0100.0100.0100.0100.010	010 0010 0010 0010 0010 0010 0010	. d. o. d. o
2 A	6 62.6	3 72.3	.3 72.3 72.	.3 72.3 72.	.3 72.3 72.	.9 72.9 72.	.2 74.2 74.	2 74.2 74.	.5 75.5 75.	.5 75.5 75.	.5 75.5 75.	7 4.77 4.	.4 91.6 91.6	9 92.9 92.9	.9 92.9 92.9	8 94.8 94.8	10.0010.0010.	0100.0100.010	0100.0100.0010	0100.010.0010.	01000100010	0100.0100.0010	0100.0100.0010	0100.0100.010	0100.0100.010	0100.0100.010	.0100.0010.01	0.0010.0010.	0.0010.0010.	100.0100.0100.010	-
(FEET) ≥ 10 ≥ 6	CEILING 62.6 62.	3 72.	3 72.	16000 72.3 72.	14000 72.3 72.	9 72.	10000 74.2 74.	2 74.	≥ 8000 75.5 75.5	7000 75.5 75.	5 75.	5000 77.4 77.	1500 91.6 91.	9 92.	3500 92.9 92.	8 94.	2500 99.4100.	4100	1800 99.4100.	4100.	1200 99.4100.	4100	99.4100	99.4100	700 99.4100.	4100.	99.4100	4100.	300 99.4100.	200 99.4100	

TOTAL NUMBER OF OBSERVATIONS

155

3

NAVWEASERVCOM

0

0

Q

0

HOURS PS. T.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT THAMAIL

CEILING							N.	VISIBILITY (STATUTE	TATUTE MI	MILES)								
(FEET)	2	AI	20	AI AI	e Al	2 2%	1 2	V 1%	¥1 Y	ĀI	AI	AI %	*	N %	≥ 5/16	AI	*	0 11
NO CEILING	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.	9 72.	9 72	0.0	72.9	72.9	72.	9 72	0.	72.9
7 18000	3,0		-	3	76.	76	10	1	1	-	-	0					00	8.9
141	77.	77	1		7.	7	7.	1	1	17	-	3	*					7:4
	77.4	77.	77.	-	77.	77.	77.	77.	77.	. 77.		4	*		7	7	*	17.4
≥ 12000	78.7	78.7	78.		78.	78.	78.	78.	78.	7 78.	7 78				-			7.07
	81.3	81.3	81.	•	81.	81.	81.	81.	81.		3 81	~			91.	8		11.3
000 AI	81.3	81.3	81.	1	81.	81.	81.	81.	81.	3 81.	8	~	6					11.3
0008 ₹	81.3	81.3	81.3	81.3	.18	81.3	00	81.	81.	3 81.	3 81		m		81.	3 81	·	81.3
	81.3	81.3	81.		81.	81.	81.	81.	81.	80						8		11.3
	81.3	81.3	81.	:	81.	81.	81.	81.	81.	•	•	m	m			3 81		31.3
2 S000	82.6	82.6	82.	82.6	82.	82,	82.	82.	82.		8					8	•	32.6
	93.6	93.6	93.	3.	93.	93.	93.	93.	93.	6	6	9.				6 93	•	33.6
4000	96.1	96.1	96.1		96.	96.	96	96	96	1 96.	0	1.	.1			0	-	100
1	96.1	96.1	96.1		96.	96.		96.	96.	5	1 96		.1			1 96	1.	100
3000	96.1	96.1	96.1	96.1	96.1	96.	96.	96.	96.	0	0	.19	1.			0	-	1.90
2500	100.0	100.0	100.0	00	100.	100.	100.	100.	100.	0100.	-	.010	10.0		2	-	6	0.00
2000	100.0		100.0	100.0	100.0	100.	100.0	10	100	10	0100	010.	6		-	0100	10.	0000
	100.0		100.0		7	100.	100	100	100		-	970.	0.01	00.00	-	-	9	0.00
1500	100.0		100.0	100.0	100.0		-	10	100	10	-	9	6		100	0100	10.	0.00
1200	100.0		1000.0	100.0	-	1000.0	-	2	100	0100	0100	9	10.00		2	-	9	0000
2 1000	100.0		100.		-	0	100	100.	100	10	-	6	6		100.	0100	10.	0.00
8	100.0	_	100.	100.0	100	2	1100.0	2	100	0100	0100	9	9	000	2	-	0	0.00
08 ^1	100.0		100.	100.0	-	100.	100.	100.	100	100	-	.010	0.0		100	0010	9	
700	100.0		100.	100.0	100.0	100.	-	10	100	0100	9100	9.	0.01	0.00	100	0100	.010	000
90	100.0		100.	100.0	100	10	100.	100.	100.	100	-	010.	0.01		100.	0100	10.	00.0
	100.0		100.		-		~	100.0	100.0	100.	-	910	0.01	000	100	0100	10.	000
400	100.0		100.	100.0	100.0		-	100.0	100.0	100.	-	010.	0	00.0	-	0100	.01	00.0
300	100.0		10000	100.0	100.0	1000.0	-	100.0	100.0	0100	-	0.0			2	0100	10.	800
	100.0		100.	100.0	100.0	•	100.0	100.0	1000	100	0100	010	0.0	000	100	0010	100	000
8	100.0		100.0	100.0	100.0	0	-	100.0	10001	0100	0100	0.010	0.01	000	100	0100	.0	000
- 1	100.0	9	100.0	100.0	100.0	10000	100.0	100.0	100.	100	0100	.010	0.0	00.0	100	0100	100	000

TOTAL NUMBER OF OBSERVATIONS

3

BARBERS POINT HAMAII

0,00

0

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 ноиз (15.1.)

....

CEILING							ž	SIBILITY (S	VISIBILITY (STATUTE MILES	ES)						
(FEET)	V)	9	\$ 41	AI AI	N AI	≥ 2%	7	VI %1	71 7	Ā	% Al	₩ Al	% Al	≥ 5/16	NI N	0 AI
NO CEILING		77.6	1	77.4	77.4	77.4	77.	77.	77.4	77.4	77.4		77.4	77.4	77.4	77.4
≥ 20000	80.7	80.7		80.7	80.7	80.7	80.	80.	80.7	80.7	80.7			0	80.7	80.7
≥ 18000	80.7	80.7	80.	80.7		100	100	8	80.7		80.7	80.7	80.7	80.7	80.7	80.7
N 16000	80.7	80.7	80.	80.7	0	80.	80.	80.	80.		0	80.		0	0	80.7
	80.7	80.7	80.		0	80.	80.	80.	80.	8		80.	0	80.		80.7
≥ 12000	80.7	80.7	80.	80.7	1 80.7	80.	80.	80.	80.7	80.	80.	80.	0	80.	80.7	80.7
	81.9	81.9	81.	81.9	81.	81.	81.	81.	81.	81.	81.	81.	:	81.	-	81.9
0006	81.9	81.9	81.	-	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.		81.9
	81.9	81.9		81.9	81.	81.	81.		81.		81.		81.	81.		81.9
7000	81.9	81.9	81.	81.9	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	-	-
1	81.9	81.9	81.	81.9	81.	81.	81.		81.	81.	81.	81.	81.	81.	81.9	81.9
2000	81.9	81.9	81.	81.9	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	-	81.9
1	93.6	93.6	6		93.6	93.	93.	93.	0	0	•		93.6	93.	•	93.6
141	95.5	95.5		95.5	95.		95.5		95.		5	0	3		95.5	95.5
	95.5	95.5	0	95.5	3	98.	95.	95.	95.	95.	95.	0	3	95.	•	95.5
3000	95.5	95.5	6	95.5	\$ 95.5	95.	95.	0		95.5	95.	0	5	95.	3	95.5
1	90.66		4.66	99.4	4.66	6	.66	.66	0		•		4.66	66	4.66	4.66
7 2000	100.0	0	10	100.0	100.	0100.0	-	10	100.0	10	100.0	100,0	100.0	10000	100.0	100.0
1	100.0	100.0		100.0	100.0	0.0010	0	100.0	100.0	100.0	100.0	10000	100.0	0	100.0	100.0
1500	100.0	100.0		100.0	100.0		1001	10	1000.0	0	10	100.0	100.0	100.0	0	100
	100.0100.	100.0	.0100.0	100.0	100.0	0.0016	1.00.0	0.0016	1000.0	100.0	100.0	10000	100.0	10000	100.001	100.0
1000	100.0	100.0	100.0	100,0	100.	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0
	100.0	100.0		100.0	0100.0	100.0	100.0	100.0	10000	10000	100.0	10000	100.0	0	100.0	100.0
00 8	100.0	100.0	100.0	100.0	100.0	0100.0	100.0	100.0	0.0010	100.0	100.0	100.0	0	9	100.0	100
	100.0	100.0		100.0		0100.0	0	100.0	100.0		100	100	100	100	100.00	100.0
00	100.0100.0	100.0	0.0010	100.0	100.0	0,0010	10	7100.0	100.0	100.0	100.0	100,0	-	2	100.0	100
	100.0	100.0		100.0	3100.0	0100.0	0.0016	100.0	100.0	100.0	100.0	10000	0	100	100.0	100
V 40	100.0100.0	100.0		100.0	100.0	0100.0	100.0	100.0	1000.0	100.0	100.0	100.0	100.0	100.0	100.0	100
300	100.001		100.0	100.0	10000	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	10000	100.0	100
N 300	100.0	0	100.0	100.0	100.0	0100.0	0100.0	100.0	100.0	100.0	100.0	100.0	1000	100.0	100.0	0001
8	100.0	0	100.0	100.0	00010	0100.0	100.0	100.0	100.0	100.0	100.0	1000	100	10000	100.0	100
٨١	100.0	100.0100.0	100.0	100.0	0.0010	100.0	3100.0	100.0	10000	100.0	100.0	100.0	100	10000	100.0	100

TOTAL NUMBER OF OBSERVATIONS

....

-

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINTS HAWALL

40

0

CEILING							VIS	VISIBILITY (STATUTE MILES)	TATUTE MI	LES)						
(FEET)	2 1	٥ ٨١	AI	4	e vi	1 2%	2 4	×1 ×	YI 7.1	Ā	% Al	* AI	S.	2 5/16	AI	O AI
NO CEILING	69.1	.1 69.1 69.	69.1	69.1	69.1	1.69	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	.69
2 20000	74.2	74.3	74.3	74.3	74.3	74.3	3	74.3	74.3	74.3	74.		14.3	74.3	74.3	79.
≥ 18000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.
≥ 16000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.
2 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.	74.7	74.7		74.7	74.
≥ 12000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	1	75.6	75.0	75.0	75.0		75.
	78.7	78.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.	75.	75.7	75.7			75.
0006	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.	15.8	75.8	75.8	75.8	75.
1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.
7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.
1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1		-	76.1	76.1		~	76.1	76.
2000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	1		77.6	77.6	77.6		77.
	90.9	90.9	6.06		0		6.06	6.06		.06		6.06		-06		90.
4000	92.9	93.0	93.0	93.0	93.0	93.0	93.0		93.0	93.	93.0	93.0		93.	93.0	93.
	92.9	93.0	93.0	93.0			93.0	93.0		6		93.0	93.0	93.		93.
3000	93.8	93.9	93.9	93.9		93.9		93.9	93.9	93.	93.	6 63.6	3	0	93.9	93.
1	99.0	9.66	4.66	4.66	4.66	4.66	4.66	99.4	99.4	4.66	99.6	99.4	99.4	99.4	99.4	99.
7 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.	0100.0	100.0	100.0	100.0	1000
	99.5	100.0	100.0	100.0		100.0	100.0	10	100.0	100.	10	100.0	100.0	100	10000	100.0
> 1500	99.5	100.0	100.0	0	100.0	100.0		100.0	100.0	-	100.0	100.0	-	10000	10000	100
	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	2	10000	10000	-	7. 27	-
2 1000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100.0	10000	0	100.0	100.0	1000
	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10000	100	0100.0		10000	100.0	1000
008	99.5	5100.0100		100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	0100.0	-	10000	100.0	100.
	99.5	100.0	100.0	100.0	100.00	100.0	100.0	100.0	100.0	10000	100	0100.0	-	-		100
8	99.5	5100.0100		100.0	100.0	100.0	100.0	-	100.0		100.0	0100.0	100.	10000	100.0	1000
200	99.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0	10000	-	00		~	-	100
400	99.5	5100.010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	•	0100.0	-	10000	-	100
30	8.66	100.0	•	100.0	100.0		100.0	100.0	100.0	100.0	0	100	001	100	-	100
1	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100.0	100	0	-	100.0	100	100
8		100.0	100.0	10000	100.0	10001	100.0	100.0	100.0	100.0	100		-	-	1000	100
	99.3	9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0001	10000	100	1100

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINTS HAMAIT

-

		0	5.5	6.3	1.3	.3	5.6	1.5	5.2	5.2	5.2	5.2	5.5	5.2	5.1	6.1	5.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-		AI .	-	8	8		8			8	8		80	8	6		6		100	100	100	10	10	10	10	Ŏ	ŏ	10	10	10	01	Ŏ	-
		*	.5	.3		.3		5		•	.2	.2	2	.2	1.1				0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0:0	0	
		Al	75	81	81	8	82	84		85	8	8	8	85	96	96	96	96	001	001	001	100	201	901	201	0	100	ŏ	201	201	100	ĕ	3
1	1	5/16	.5	3				.3	.2	.2	2	2.	.2	2.	7.	7	-	1.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
1		12 5/	75	81	81	81	100	84	85		85		83		96		96		8	00	8	8	8	8	8	8	8	8	8	8	8	8	5
1	1		5	•	3	3	•	2	2	2	2	~	2	~	-	-	-	-	5	0	0	0	5	8	8	8	3	6	5	5	5	õ	-
-		N N	75	16	91.		82.	84.	85	85,	85		85.		96		96		00	00	00	8	8	8	8	8	8	8	8	8	8	00	5
	1		_								2		_		-1		_		3	70	30	6	6	3	3	0	3	6	0	0	8	0	7
1		*	5	-	-	-	15.	*	3	5	5.	3	3		.9				0	0	0	ò	ė	0	ė	0	0	0	ė	ė	ė	ò	5
			-	8	2		8 9		8		2 8		8	2 8	6	1 9	1 9		1	010	310	200	3	010	010	070	070	010	010	010	2	3	5
		*	3	-	1.	:	2.6	•		5.		•	5.		.0		•	6.	0.0		.0	0	0		0	0	0	0	0	0	0	0	•
1		۸۱		80	20110		8	œ	00	90	00	œ	00	00	6	0	0	0	10	10	10	10	10	20	20	10	10	10	-	10	_	0	-
		-	.5	.3	.3	.3		5	•	•	.2		•						0.	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	<u>@</u>	Al	75	81	81	81	82	84		83		85	80		96	96		96	001	100	100	100	100	100	001	100	100	100	100	100	100	100	-
	MILES	*	5		3	.3	9	5	7	7	2	.2	~	7	7.	-		7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1	2	71	75	81	81	81		84		85	85	85	85			96	96	96	00	00	00	00	00	00	00	00	00	00	00	00	00	00	-
-	(STATUTE						9		_		~					7		-	-	-	0	10	-	0	7	0	10	0	3	0	3	0	
1	ŽĮ.	× ×	5	1	-	1.	2.		8	3	5								0		0	0	0	0	0	0	0	0	00	0	0	0	
	VISIBILITY	Λ1	<u> </u>	3 8		3 8		8		8	2 8				6			6	010	010	-	-	010	010	010	010	010	010	010	010	010	010	
1	>	~	3		:		•	4 .		5.		5.		5		. 9		.9		0			0	·	.0	0	0	•	0	0	.0	.0	
		۸I		0		8	8	00	00	40	80	80	00	00	0		6	0		10	10		10	10	10	10	10	10	10	10	10	07	
1		21/2	.5	~			•				. 2						1 . 4	•	0	0.	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	•
		ΛI	15	81	8	81	82	78	85		85	85	85	85	96		96	96	100	100	001	100	100	100	100	100	100	100	100	100	100	100	1
1		_	5	3	6			5	2.	.2	.2	.2	.2	.2	-	1.	. 1	7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1		٨I	75	81	81	81		84		83	85	52		85	96	96	96	96	00	8	8	00	00	00	00	00	00	00	00	00	00	00	-
1	1		-	~	3	m	•	50	~	~	~	N	2	2	-	-	-	-	5	0	0	0	0	0	5	5	01	0	0	0	0	0	-
		AI	5	-	-	81.	25	14.	3.	5		35.			9			9		00	0	00	00		8	00	0	00	00	00	.00	00	-
				3 8						8	2				1 9	_	5	6 1	010	010	10	010	010	-	5	910	10	-	-	-	-	20	
		9																			0			0			0		0	0		•	
		٨١	78.5 75.5 75	8	00	•	80	8	80	40	æ	30	80	100	0	0	0	0	10	10	10	10	10	100,0100,010	100.0100.010	10	100.0100.001	10	100.010.010	10	0.0100.0100	10	
1		•	.5	.3	.3	.3			.2	. 2	. 2	1.2	2	1.2	:				0.0	0.0	0	0.0	3.0	0.0	0.0	0.0	000	0.0	0.0	0.0	0.0	0.0	
1		ΑI	7.	8	8	8	82	8	80	80	8	00	00	80	96	96	96	96	100	100	100	100	100	100	100	100	100	100	100	100	100	100,0100.0	
	1	_		6	3	3	0	5	2	10	2	2	.2	2	7	7	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
	9	2	7.8	81	9	81	82	48	35	5	3	85	85	83	96	96	96	96	00	00	00	00	00	00	00	00	00	00	00	00	100	00	
1			0	_	-	_	-	_	-	_	-	_	-	_		_	-	_	-	-	-	-	7		-	-	-	-		7		-	-
	S	E	NO CEILING	20000	18000	000	8	12000	8	8	8	2000	8	2000	8	4000	8	3000	8	2000	88	1500	200	100	8	800	8	8	8	8	8	300	
	CEILING		200	12	8 AI	V 7		7 7		٨١		VI VI		M		4		M		AI		A1		1	Al			A!		٨١	Al		
L			ž																														

TOTAL NUMBER OF OBSERVATIONS

HOURS (T.S.T.)

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

	YEARS	OCCURRENCE	(ATIONS)
73-77		PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
BARBERS POINT, HAWAII	STATION NAME	PERCE	

CEILING VERSUS VISIBILITY

CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES	ES)							
(FEET)	2	9 11	۸۱ د	4	N AI	Y 2%	~ Al	V 7/2	71 71	Ā	AI	*	AI Z	Al	5/16	*	0
CEILING	76.8	76.8					. 9			:	76.	1		-	80		76.
≥ 20000	80.7	80.7		80.7	80.7	0	8	80.7	0	80.7	80.	7 80.	8			0	80.
18000	80.7	80.7		0	0	80.7	80.7	0	80.7	0	80.	0	7 80.	7 80	.7 8	1.0	80.
≥ 16000	80.7	80.7		80.7	80.7	0	6	80.7	0		80.	8	8		.7 8		80.
14000	81.9	81.9		-	-	-	:	-	-	-	81.	00	•			1.9	
> 12000	83.2	83.2		83.2	83.2	83.2	83.2	83.2	3.		83.	8	80		2	3.2	83.
10000	63.2	83.2		6	3	3			9		83.	00	80		.2 8		
0006	83.2	83.2		83.2	83.2		83.2	83.2	3		83.	8			2 8	3.2	83.
8000	83.2 83.2 83	83.2	83.2			83.2		2.4	83.2	83.2	83.	2 83.	2 83.	2 83	~	3.2	83.
7000	83.2	83.2			83.2	3	83.2		3		83.	8	8		2		
9009	83.2	83.2		3	3		3.	3.	3.	3	83.	8	8		2.	3	
2000	80	85.8		85.8	85.8	5	85.8		5		85.	8	8		8	2	85.
4500	96.8	96.8		9	.9				•	.9	6	8 96.				•	96
1 4000	98.7	98.7		98.7		8	98.7	98.7	8							8.7	98.
3500	98.7	98.7			8						6	0					98.
3000	98.7	98.7		98.7	7.86	8	98.7	98.7		98.7		0			1	8.7	98.
2500	100.0	100.0		100.001				100.0		.0	100.	0100	0100	0100			00
≥ 2000	100.0	100.0		100.001	100.001	0.001	100.0		100.0	100.0	100	0100.	0100	-		0.01	00
1800	100.0	100.0		0	00	0	0.00	100.0		100.	100	10	0100	0100	10	00.01	00
≥ 1500	100.0	100.0		100.001	100.01		100.0		100.0	100.	100.	0	-	~	0		00
1200	100.0	100.0	0	0.00	.00	0	0.00	.00		100.	100.	2	-	-	10.	10.00	00
1000	100.0	100.0	0	100.0	100.001	0000	0.0	100.0	100.0	100.0	100.	0	0100	0100	6		00
906	100.0	100.0		100.01				00		100.	1001	0100	-	0100		10.0	0
80	100.0100.010	100.0	100.0	100.01	100.001	100.0	0.0	100.0	100.0	100.0	100.	20	0100	_	0	0.01	0
700	100.0	100.0	0	100.01	0	00		00	100.0	100.	1001	Ŏ	~	2	0	10.0	00
8	100.0	0100.0	100.0	100.0	0	100.0	0.0	100.0		10	100.	0100	-	0100		0.01	
200		100.0	.00		100.01	100.0		100.0	100.0	100.0	7		0100	20	0100	0.01	00
04	100.00	100.0100	100.0	0.0	100.001	100.0	100.0	100.0		0	100.	0100	-	0100		0.01	00
300	100.0	100.0	:		100.001	0000	10000	100.0	100.0	100.0	100	-	0100	-	0100	0.0	00
30	000	100.0	100	100.0	100.001	100.0	9	00	100.0	2	100	0100		010	010	0.01	00
8	10001	100.0	100.0	100.0	100.001	0.001	10000	100.0	100.0	100.0	100	0100	0100	0100	0100	0.01	00
2 0	000	100.0	100.0	100.0	100.01	100.0	100.0	100.0	100.0	100.0	100	0100	0100	0100	010	0.01	00

BARBERS POINT, HAWALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-

			1	1	3			1		3		.2	6.	.2	8	8	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Al	10	1	1	77	80	80	80	8	81	8	83	92	16	94	6	66	8	8	8	8	00	8	8	8	8	8	8	8	8	8	00
		1.	9		*	1	-	-	3	2	0	7	6	.2	8	8	4	0	0	0	8	0	10	6	3	5	8	20	8	8	9	20
	N N	25	1	1	77	80	80	80	81	81	8	83	92	16	76	*	66	100	100	100	001	100	8	100	8	100	8	8	8	8	8	8
	•			1	3	-	-	1	~	•	•	~	0	7	00	00	4	0	70	3	3	3	6	3	3	3	6	8	3	8	3	70
	\$/16	-:	1:	-	-	0	0		-			33		. 4	. 4	. 4	6	00	0	0	00	0	.00	0	0	0	0	0	0	0	0	0
	Al	2			3	4	4	7 8	3 8	3	8			0	8	9	0	010	010	010	010	010	010	010	010	910	010	010	010	5	010	010
	2	-	-		-				1	:	:	3	2.5			-	6	0	0	0		.0	000	0	0	3	0	0		0		
	Ai	01	-	-	-			8	00	00	80	•	0	0	6	0	0	2	-	2	-	-	20	2	-	2	2	2	2	2	10	2
	*	3										3.2	6.	2	. 8		*:	000	00	00	•	0.0	0.0	000	.0	0:						
	Al	01	7	-	-	ä	80	80	8	00	00	80	92	6	3	6	6	100	100	ŏ	200	100	100	100	100	100	8	801	0	0	0	50
	*	1.	1	4	*	1.	1		4		6.	.2	6.	.2	8	8	4.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AI	10	15	1:	7	80	80	80	81	8	8	83	92	94	36	6	66	100	100	100	100	100	100	100	100	100	8	8	8	8	8	8
		F .		4		-	-	-	3	m	0	7	0	7	*	20	4	0	0	0	0	8	6	6	6	6	6	6	0	9	6	6
_	AI	21	3:		1	80	80	80	81,		3.1	83	1000	96	94.	96	66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	0
IILES		1		. 4	3	1	1	1	6		6	-			8			010	-		0	010	010	-	010	-	3	3	70	10	20	10
TE N	7.1		3	-	7	0	0	0		:	:	3	2.		*	*	6	0		.00	00	0	0	0	0	0	0		0	0	0	0
VISIBILITY (STATUTE MILES)	Al	01	-	-	1	80	00	80	00	00	00		0	6	6	6	0	10	0100	10	10	10	10	10	10	10	9	10	10	10	10	10
Y (S	7.	3						1.		-	6	3.2	•	1.2	. 8			0.0		0.		0.	.0	0.	0.	0.	0.	0.	0.	0.0	0.0	0.
1	Al	01	-	-	-	80	80	80	8	8	80	80	92	6	6	6	6	100	100	100	100	100	100	100	100	100	001	100	100	001	100	001
VISI	~		9	1	4	1		1	ch		6	2	0	.2	30	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AI	101	1:	1	17	80	80	80	80	8	81	8	92	56	76	36	66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
		~	. 4	4	*	-	-	1	M	~	0	2	0	2	00	00	4	5	10	3	5	8	8	8	6	5	3	5	8	3	3	3
	≥ 2%	2.	15	-	1	0	80.	80.	81.	81	=	63	2	94.	14.	74.	66	00	00	00	.00	0	00	0	00	00	00	0	.00	0	00	0
		2	,			7	2	1		3	6		0	2	8	8	-	010		0	30	010	016	30	310	9	3	3	3	ä	5	3
	M Al		3		-		80.			:		3	2		4.	;			_			0	0	0	0	0	0	0	0	0	0	0
	^1	01				00	œ	80	60	80	00	00	6	0	6	5	66	100	100	100	100	10	10	10	10	10	10	10	10	10	10	10
	+		1		4	. 7		. 7	.3			.2	6.	.2	. 3	95	4.	0	0		0	.0	0.		.0	0.	0.	.0	0			0.
	Al	0	1:	:	7	80	80	80	8	8	8	6	92	96	9	94	66	001	00	00	00	00	001	001	00	001	8	00	8	8	00	00
		F .	9 4	14		-		1	m	~	0	N	0	7	20	0	3	0	0	0	0	0	0	6	0	8	6	9	0	0	8	0
	VI S	12	3	1	11	80	80	80	18	8	81	83	35	96	76	76	66	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
		1.7 67	-			0	0	0	-	-	100	4	2		2	~	-	4	3	3	4	1	4	4	41	7	3	4	-	3	3	-
	AI	67.7	1	-	-	0	0		0	0	-	2	2.	3	4.	94.	*	6	6		6	6	6	6	6	6	6	6	.6	6	.66	
			1		1									-				-								-						0
	9	67.7	3		:	0.0	80.0	1.0	80.7		3	2.6	. 3	3.6	1.2		:	1.4	3.4	4.4	4.4	3.4	3.4	*:	3.4	3.4	3.4	4.4	3.4	3.4		1.
	Al	91		-	77	80	2	8	8	80	0	00	92.3	6	6	6	98.	6	6	6	6	6	6	6	5	6	6	.66	6	6	66	6
		9 0	1	-									1			_		-			_	-	_	_	-	_		-				_
CEILING	EET	NO CEILING	300	98	1400	12000	00	900	8	7000	8	8	450	400	3500	300	250	2000	1800	5	1200	8	8	8	Š	8	S	8	Š	200	8	-
2	=	9 1	1	IAI		AI		٨١	٨١	AI	AI	٨١	AI	٨I	Al	M	AI	۸۱	AI	AI	٨١	٨١	٨١	۸I	AI							
			1	_	_		_	_	_			_	_	_						_	_				_		_		_			

TOTAL NUMBER OF OBSERVATIONS

BARBERS PUINT TATALLE

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

CEILING								VISIA	BILITY (ST	VISIBILITY (STATUTE MILES)	(ES)								
(FEET)	5	AI	3	AI	N N	Al	21%	2 4	V1 72	¥1 ¥1	AI	_	**	*	VI S	AI	5/16	× 1	٨
	54.8	54.	1 54.8	54.	8 54.	8 5			*	1_	54	80	54.8	;	_	8 54	8	8.4	54.
> 20000	71.6	71.	71.6	71.4	6 71.	6 7		71.6	71.6	71.	7.		71.6	71.6	12	6 71	4	1.6	71.
N 18000	71.6	:	6 71.6	71.	6 71.	0	•	71.6	71.6	71.6	71		71.0	71.6		6 71	0	1.6	71.
	11.6	-	-	-	5 71.			4	4	-	7	9	11.6	1	7	1	9.	9	-
2 14000	71.6	77.	71.6	71.	6 71.	-	9.1	71.6	71.6	71.	7		71.6	71.6	77,	17 9		1.6	71.
	72.9	72.	72.	72.	9 72.	7 6		2	72.9	72.9	72	6	72.9	72.	72,	9 72	6	2.9	72.
¥ 10000	72.9	72.	72.9		9 72.	9 72	0.	2.		72.	1		72.9	72.9	72.	9 72	. 9.		72.
	72.9	72.	72.9	72.	9 72.	1	0	72.9	72.9	72.	72	6	72.9	72.5	72.	9 72	6.	2.9	72.
> 8000	72.9	72.	72.9		9 72.	9 7	2.9	2.	72.9	72.	1	6.	72.9	72.9	72.	9 72	. 9.		72.
> 7000	72.9	72.	72.9	72.	7 72.	1				72.9	72	6.	72.9	72.9	72.	9 72	. 6	2.9	72.
	72.9	72.	72.9	72.	9 72.	9 7	6.	72.9	72.9	1	72	6		72.9	1	9 72	. 6.	2.9	72.
2000		77.	177.4	77.	4 77.	1 7	3			77.4	17		77.4	77.4	17	17	-	7.4	77.
	88.4	89.6	3 89.0		89	8	0	6			89	0	9.		88	68 0	9 00		89.
4000	88.	89.0	0.89.0	89.			0.6	89.0		89.			89.0	6	80		8	0.6	89.
		89.	7 89.7	89.				6	89.7	.68			8	89.7		7 89			.68
3000	90.3	91.6	0 91.0	91.	0 91.	6 0	0	91.0		91.	-	0	91.0	-		16 0	.0	11.0	91.
2 2500		98.	7 98.7	.86	7 98.	7 96	8.7	7.86		98.	86		7.86	•	86	7 98	.7 9	18.7	.86
> 2000	4	100.	0100.0	100.	0010	10	.01	00.00	-	10	100	.010	00.00		100	0100	.010	0.0	100
V 1800	•	100.	3100.0	1001	0100.	0100	60	00.00	100.00	100.0	-	.010	0.00	100.0	100	0100	010	00.00	100
	_	4100.0	0100.0	100	10	-	0	00.00	0	100	10	-		0	2	0100	.010	0.0	100
2 1200		1001	0100.0	100.	0100.	0100	9	00.00	100.0	100.0	100	.010	0.00	10001	100	0100	010	00.00	100
V 1000		4100.0	0100.0	1001	0100.	0100	60		100.0	100.	-	.01	0.00	100	100	0100	.010	00.00	100
98 AI		4100.010	0.0010	100.	0100	0100	9	00.00	100.0	100.0	100	.01	0.00	100	100	0100	010.	00.00	100
		100.	0.0010	100.	0100	0100	6		100.0	100.0	100	.01	00.00	1000	100	0100	.010	0.0	100
700		1001	0.0010	1001	0100.	0100	6	00.00	100.0	1000.0	100	50.	0.00	10001	100	0100	010.	00.00	100
009		100.	1100.0	100.	0100.	0100	10.		100.0	100.	100	.01	00.00	1001	100	0100	.010	0.00	100
88		1001	2100.0	1001	0100.	0100	10.	00.00	100.0	100.0	100	.010	0.00	10001	100	0100	.010	00.00	100
00 7 A1	-	*100.01¢	1100.0	100.	0100	0100	0		100.0	100.0	100	.01	0.00	100	100	0100	010	0.0	100
		1001	0100.0	1001	0100	0100	50.	00.00	100.0	100.0	100	10.	0.00	10001	100	0100	010.	0.0	100
7 200		1001	2100.0	100.	0100.	0100	0.01		100.0	100.0	100	.01	0.00	10001	100	0100	.010	0.0	100
71	4.66	4100.0	3100.0	1001	0100	0100	10.0	0.00	100.0	100.0	100	10.	0.00	1000	801	0100	010	0.0	001
0 1		100.	0100.0	100	0100	0100	10.0	0000	100.0	100.0	100	100	00.00	10001	100	0100	010	0.0	100

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWALL

MOURS (LS.T.)

....

VISIBILITY (STATUTE MILES)	25 24 23 22% 22 21% 214 21 2% 2% 2% 25/16 24 20	.9 61.9 61.9 61.9 61.9 61.9 61.9 61.9 61	es 13es 5es 15es 13es 15es 15es 15es 15es 15es	5.5 75.5 75.5 75.5 75.5 75.9 75.9 75.5 75.5	12:23 13:23 13:23 13:23 13:23 13:23 13:23 13:23 13:23 13:23	100 100 100 100 100 100 100 100 100 100	34 11.4 11.4 11.4 11.4 11.4 11.4 11.4 11	.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 7	.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 7	.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78	.1 78.1 78.1 78.1 78.1 78.1 78.1 7	.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79	9 81.9 81.9 81.9 81.9 81.9 81.9 8	.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90	.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91	.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91	2.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 9	4.99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	.4 99.4 99.4 99.4 99.4 99.4100.01	10.0010.0010.0014.66 4.66 4.66 4.66	.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	9.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.01	.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.01	9.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100	.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.01	.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100	. 4 99.4 99.4 99.4 100.0100.0100.0100.0100.0100.	.4 99.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100.	.4 99.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100	.4 99.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.	.4 99.4 99.4 99.4 99.4 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	10.0014.66 4.66 4.66 4.66 4.66 4.66	
	AI	.9 61.9 61.9	25 1808 1803	.5 75.5 75.5	200 200	1.01	4.11.4	*	*	7.	.1 78.1	4.67 4.	81.9 81.9	€.06 €.06 €.	0.16 0.16 0.	9.16 916 9.	.3 92.3 92.3	4.66 4.66 4.	4.66 4.66 4.	4.66 4.66 4.	+ 66.4 66.4	4.66 4.66 4.	.4 99.4 99.4	4.66 4.66 4.	.4 99.4 99.4	4.66 4.66 4.	4 66 4.66 4.	4.66 4.6	4.66 4.66 4.	4.66 4.66 4.	.4 99.4 99.4	7.66 4.66 7.	
		61.9 61.9	3	5			-		-	78.	78.	79.	.18	80.3 90.3	91.0 91.0	91.6 91.6	92.	99.	99.	.66	99.		- 1					99.49	99.4 9	6 4.66	6 4.66	6 4.66	
CEILING	(FEET) ≥ 10	NO CEILING 61.9	2	00081 4	3	00071	11	× 10000 77.4	22 0006	8000 78	≥ 7000 78.1	6000	> 5000 5	4500 90	91	3500 91	≥ 3000 € 2.3	2500 99	≥ 2000 59.	1800	≥ 1500 99.4	1200 99	> 1000 59.	66	66 008	200 99	≥ 600 99.4	800 99	7 400 99.4	300	2 200 99.	2 100 99.4	

0

TOTAL NUMBER OF OBSERVATIONS

-

CEILING VERSUS VISIBILITY

BARBERS POINT HAMAII

2	ERCENIAGE TREGUENCI OF OCCURRENCE		
200	לאנו	S	
=	5	Z	
5	5	FA	
2	5	ERV	
2	5	(FROM HOURLY OBSERVATIONS)	
L	Z	7	
3	3	JRL	-
E	Ę	Š	
2	5	×	
1	<u> </u>	500	
1	j	=	-
ED	K		

CEILING							>	VISIBILITY (ST	(STATUTE MIL	(ES)						
(FEET)	2 1	9	\$ 11	4	8	≥ 2%	1 2	¥1 Y	VI VI	- AI	% Al	*	× AI	≥ 5/16	N AI	٨١
NO CEILING	62.6 62.6	62.6	25	in	9.29		62.	.29	62.	62.	62.6	62.6	62.6	62.	62.6	0
	200	2000	9	3	3	0	0		000		9	9		9	3	a
1 VI	800	80.4	80.7	80.1	80.7	80	80.7	7 80.7	80.7	80.7	800	80		80.7	80.7	8
2 14000	81.9	81.9	=	:	:	-	81.	81.	81.	81.	81.	81.		81.	-	
≥ 12000	84.5	84.5	. 4	. 3			84.	84.	84.	84.	84.	84.		84.		
V 10000	85.2	85.2		5.			83.	85.	85.	85.	85.	85.		85.		
	85.2	85.2	5	3	3	2	85.	85.	85.	85.	85.	85.	•	85.	3	
8000	85.2	85.2	5	85.2	85.2	3	85.	85.	82	85.	85	82	•	85	•	85.
- 1	85.2	85.2	5	2	3	3	85.	85.	85.	85.	85.	65.		85.	2	
0009 A	85.2	85.2	5.			3	85.	85.	85.	85.	85.	85.		85.	•	_
1	85.8	85.8	15.	3	5	3	85.	85.	85.	85.	85.	85.		85.	3	
	95.5	95.5	.5	5.	5	5.	95.	95.	95.	95.	95.	95.		95.		
V 4000	96.8	8.96	.0	. 9	•	•	96	96.	96.	96.	96.	96.		96	•	
	96.8	96.8	.90			.0	.96	96	96	96.	96.	96.		96.		
3000	96.8	8.96					96	96.	96.	96.	96.	96.		96.		
	100.0	100.001	.00		0		100	100.	100.	100.	100.	100		100.		
> 2000	100.0	100.01	.00	100.001	0		100.	100	100	100.	100.	100		100		-
	100.0	100.001	0		0		100	100	1001	100.	100	100.		100.		100
2 1500	100.0	100.001	.00	100.001	100.001		1001	100	100.0	100.	100	100.		100.	100.0	-
	100.0	100.001	.00				100.	100.	100	100.	100.	100		100		-
2 1000	100.0	100.0100.01	00	•	100.001		100	0100.0	-	100.	-			100.	100.0	-
8 Al	100.0	100.001	00	100.001	100.001	100.0	1001	100.	100	100.	100			100		100
	100.0	100.010.001	0		0		100.	0100.0	-	100.	-		100.0	10	100.0	100
	100.0	100.01	.00	100.001	100.001	100.0	100	100	1001	100.	-	100.0	100.0		100.0	100
8 ^I	100.0	100.010.001		100.001	0	0	100		-	-	100			100.0	100.0	100
8	100.0	100.00	.00	100.001	100.001	100.0	100	0100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	100
400	100.0	100.0100.01	-	100.00	100,001	100.0	100.	100	100.0	100.0	100.	100.	•	100.0	100.0	100
38	100.0	100.001	00	100.00	100.001	-	100	10	100.0	100.0	-	2	100.0	100.0	100.0	100
14	100.0	100.010.001	00	100.00	100.001	•	100	0100.0	100.0	100.0	100.	100.	100.0	100.0	100.0	100
8	100.0100	100.001		100.00	100.001			3100.0	100.0	100.0	100	10000	100.0	100.0	100.0	100
	100.0	0100.01	100.00	100.00	100.001	00.00	10	0.0010	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100

0 0

TOTAL NUMBER OF OBSERVATIONS

888

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINTS HAWALL

000

Q

0

200

		-		•	0	~	-	-	0	60	-	-	-	~	-	20	3		0	0	a	7	0	0	O	~	O	0	O	0	O	6	0
			-	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Al	6	3	8	8	83	8	85	8	8	85	85	87	3	96	96	97	66	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
				_	_	-	_		_	_	_	-	_	_		_	_	-	-	=	-	3	-	-	-	-	-	3	-	-	-	-	-
	1			6			-	*	-	*	~				-	*					0	•					0				0	9	.0
	Al	67	3	=	=	33	3	3	35	35	35	85	87		96		97	66	8	8	8	8	8	8	2	8	8	8	8	8	8	0	100
		-		_	_	_	_	_	_		_	-	_			•	-		-	-	-	-	-	-	-	-	-	-	-	-	-		
	9		-	•	6	~		8	8	8	8	8		2	-		4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•0
	5/16	-	-	-	-	m	4	5	-	2	-	5	-		9	96	-	0	0		0		0	00	0		0	0	0	0	0	0	00
	Al	0	-	0	8	8	8	00		8	8	8	0	0	0	0	0	0	10	-	-	2	2	2	2	9	2	10	2	ŏ	2	2	0
		-		0	0	N	3	8	8	8	8	8	1	2	-	8	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	-	1	÷	-	3	;	2	2	3	3	3	7				-	6	0	0	0		0	0	0	ċ	0	0	0	0	0	ò	ö
	Al	0	-	80	8	0	0		8		0	8		0	0	0	0	0	0	0	0	ō	0			0			0	0	0		Ò
		-	0	0	0	~	8	8		8	8	8	-	2	-	00	4	*	3	0	6	3	8	3	8	3	8	8	8	6	0	8	0
	*	-	•	•	•	-	:	:	-		:	5 .	-	:		:	-	:	0	:	0	ò	-	:	ò		-	0	0		0	:	:
	Al	0			8	8	3		8	8				96		6		ŏ	ŏ	8									ŏ			ŏ	8
		1	0	0		N		-	-	8	•	-	1	N	-	0	•		8	3	8	7	3	6	3	7	금	3	금	믕	8	7	5
	*		•	•			-	•		•	-	•			•	•		•				٠.			•	~	•	•	•				
	Al	67		81	81	83	8		85	85	85		87	36		96	16	66	8	8	8	8	8	8	8	8	8	8	8	8	8	8	00
			1				_	_			_		_	-					-	-	-	-	-	-	-	-	-	~	-	-	-	-	-
			7	e.	6	.2	3	80		. 8				.2	-		*	4		0	0	ó	0	0	0	0	0	0	0	•	0	ó	•
	Al	2	-	-	-	3	*	5	-	-	5	*	-	4	0		-	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
ES		9	8	8	80	8	80	8	80	8	8	8	8	0	0	0	5	0	10	10	10	10	10	2	2	100	10	10	0	10	10	10	100
VISIBILITY (STATUTE MILES)		7	m	0	0	2	5	8	8	8	0		1	2	-	8	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O
1	174	-	1	-	-	3		5	3	30	5	3	-	*		.0	-	6	0	0	0	0	0	•	0	0	0	0	0	0	0	0	o.
5	AI.		00	8	80	0	80	0	8	00	8	8	0			0		0	0	00	0	Ö		0		ō	0	0	0	0	0	Ŏ	00
15		2	-	•	0	2	3	80	00	8	80	00	~	2	-	00	*		8	30	3	3	8	3	8	8	8	8	8	0	0	8	ô
<u>></u>	7.		1	-	•	:	:	5.			3	-	-	;	-	:	7.	6	0		-		6		0	0	0	0	0		0		
=	Al	0	8	00	80	80	æ	8	8	8	8	8	8	6			0	0			ö	ö			ö		ö		ŏ	ö	ŏ	ŏ	ŏ
ISI		~	-	ò	-	~	5	00	8	00	8	8	~	N	-	8	-	3	3	3	70	3	3	3	3	3	3	3	3	3	3	3	3
>	7		4	•	•	•	•							•				•					-								•		•
	Al	67	8	8	8	83	84	85		85	1	85	87	94	96	96	97	66	00	8	00	00	00	00	8	8	00	0	8	8	0	8	00
				_			_		_	-	_	8			_				-	-	-	-	~	~	-	-	-	~	-	-	~	~	-
	2%		-				-:	8	-	3.	۳.	۳.			-	.8			0.	0.	0	•	0	0	0		0		0		0		•
	71	19	2	8	=	83	84	85	85	85	85	85	7	76		96	7	66	00	00	00	8		8	2	2	2	100	2	100	100	8	100
		-	7	~	-	-	~	~	~			~	~	•	•			5	~	~	-	×	-	=	07					<u>~</u>	<u>~</u>	<u>~</u>	7
		-	7	o.	0	2	'n	0	8	.8			-	2	-	8.	4	4	0	0	0	0	0	0	0	ó	0	0	0	0	9	0	•
	M AI	-	7	-	-	m	3	5		150			-		0		-	0		0	0	0			0	0		0	0	0	0	0	0
			80	80	00	00	œ	æ	œ	80	00	00	20	0	0	0	0	0	10	10	2	10	0	9.	2	20	10	10	10	10	10	2	100
		-	3	0	0	~	*	80	8	8	8	90	-	2	-	8	4	4	O	0	0	0	0	0	0	0	0	0	0	C	0	0	O
	7	-	1	i	-				3	8	5	3	-			9	-	6	0	0	0	0	0	0	0	ò	0	0	0	0	0	0	0
	Al	0	00	00	8	8	0	8	8	8	8	8	8	0	0	0	0	0	0		9	0	0			0	0	0	10	100	0	0	100
		-	m	0	0	7	-	8	-	8	8	8	-	2	-	8	4	3	6	0	0	0			0		0	0	0	0		0	0
	*	:	1	-	•	:	:	:	:	:	:	:	:	:	:	;	:	:		-	-	-	:	i	-	÷	-	:	0	:	-	:	:
	٨١	67.	80	80	8	00	8	8	8	8	8	80		0	6	6	0	6	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ö	0	ŏ	Ö
		-	-	•	•	~	-	-	-	-	-	-	-	~	-	00	3	3	3	3	3	3	3	8	3	6	3	8	3	6	8	금	6
	•		4	•										•	•	•		:	:	•	•	1	•	:	•	:	•	•		:	•	:	
	Al	67	3	81	8	83	84	8	8	80	8	85	87	9	96	96	6	66	8	8	0	8	8	8	8	8	0	8	8	8	8	8	00
								-	-	-	-	-	-	-		-			7	100.0010.001	7	7	=	100.0100.0100	7	7	7	H	100.010.0100	Z	0100.0010	100.001	11
	9	.7	4					-	5.8	3		-						:		3	-		3				3		-		100.0		-
	AI	2	7	3	=	33	4	-	2	3	2	3	37	36	35	9	7	6	0	0	0	0	0	0	0	2	0	0	2	0	9	0	0
			~			4.7	-	-	-	-	-	_	_	0	•	-	•	-	ĭ	7	ĭ	7	ĭ	ĭ.	1	ĭ	ĭ	1	~	ĭ	ĭ	ĭ	ĭ
		9		_]		1				1				1			- 1						-						
CEILING	E	NO CEILING	3	18000	8	8	12000	8	900	8	7000	8	9000	4500	8	8	3000	8	2000	180	8	1200	8	8	8	8	8	8	\$	30	8	8	9
	£	2	4			-	12					1																					
U		2	"	۸I	۸I	٨١	۸I	٨١	۸I	٨١	AI	٨١	٨١	٨١	٨١	٨١	M	M	M	M	۸۱	٨١	٨١	AI.	AI	٨١	٨١	٧١	V1	VI	۸۱	٧١	۸ı

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	AI .	73.	81.	82	83.	84.	84.					98.	98.	98.	-	100	00	100	00	001	900	100	100	100	100	100		100
	N N	73.6	81.3	-	83.2	*	*	84.5		• •		98.7	7.86	98.7	00.00	0000	10.00	-	000	•				0000	0000	0000		000
	5/16	3.0	-	-	3.	*	4	;	\$	÷ •			7.86	8.7	0.01	8	5	8	0	8		0.0	0	10.0	10.0	10.00	3	0
	11	9.0			2	.5 8	.5		. "	0.0	4 0				9	0	5	6	6	0	55		.0	0.010	0.010	50	•	-
	Al	3 81		0	2 83	5 84	0	200	0		0	7 98	0		2	2	-	3	-	3		2	2	2	-	900	2	010
	* ^!	3 73			2 83							0	0		-	-	0100	-1	0010	-		12	10	0100	0100	000		100
	AI	73.		3.	83.	*	*	;	3	: "	:						100				000				100	•	000	100
	-	73.6	1:	1.	83.2	84.5	84.5	84.5		04.0		98.7		98.7	0.00		100.0	0	1000.0	0	000	0		0000	100.0	100.0	3	000
VISIBILITY (STATUTE MILES)	71.	3.6	:	1	3.0	*				. u	:	8.1	8	8	.01	9	00.00	9	00.01	9	000	0	0.0	0.01	00.00	0.0	0 0	00.00
Y (STATL	٧١ ٧١	2.0		0	2 0	S.			2		4 4			.7	.01	10.	0	0	3	3	0.0	-	10	0.010	10.	3	3 2	0
VISIBILIT	Ai	2 4	3 81	20 0	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8	1	300	90		00	1 98	0	0	10	10	0100	9	0100	9.	010	010		0100	0010	010		0100
	71	3 7 3		20 0	2 20				20		0	60	6	7 98	-	-	0010	-4	0010	-	0010	•	-	0100	0010	-		0010
	> 2%	73.	-	-	83	4		40		. u		9		8	100.	100.	100	100	0	:	100	0	0	100.	100.	0	3,	100
	۳ ۸۱	73.6	-	4.	83.2	3	4	84.5		÷ 4	:	98.7	*	98.7	0.0	0000	00.00	0000	0000		000	00		0000	0000	0000	000	00.00
	4	3.6	:	4	3.5	3				÷ w		200	8	18.7	0	0.01	0.0	0	0	0.0	500	0	10.01	10.00	00.00	00.00	200	00.00
	8	7.0	.3		2 00 00						1	. 6		3.7 9					-	-	00.00	10	10	9	5	5	3	5 8
	٨١	96	8	20 0	0 00	.5	.5 8	80	20 0		0	6	.7	.7 9	.0100	.010	.0100	010.	.0100	010.		010	2	-	-	-	-	0100
	ÅI.	6 4	3 81	200	2 60 0	5 84	5 84	200	2 84	400	200	90	7 98	7 98	0100	0100	0100	0100	100.0010.001	0100	100.00100.001	10000	100.0100.0	.0100.01	100.010.001	100.0100.0	100.0100.0	100.01100.0
	2	73.	-	9	2 60	84.	84.	4	90	* a	000	0.00	98	98.	1001	100	100	100.	100	100	001	100	100	100	100	100	100	100
CEILING	FEET)	NO CEILING	18000	-	12000	10000		8000		900		400		3000	2500		1800		1200		88	700	8	900	400	38		80
2	2	9 1	ALA	1	IA IA	AJ.		AI /	۱۱	۸۱۸	1	AI AI	٨١	M	AI	٨١	AI.	Al	٨١	ΛI	۸۱۸	^	IAI	AI	Al	ALA	4	11 11

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

BARBERS POINT STANDALL

 6.66

6.66 6.66

6.66

6.66

6.66

6.66

8.66

8.66

900

AI AI

2000

AI AI

1500 1500

AI AI

6.66

6.66

8.66 99.8

8.66

88

ALAI

99.9 99.9 99.9

6.66 6.66

8.66 99.8

88

AI AI

88

AI AI

6.66 6.66

8.66 8.66

6.66

6.66

6.66 6.66

6.66

6.66

6.66

6.66

6.66 6.66

6.66

6.66

6.66

6.66

6.66

6.66

80

88

6.66

5703 CEILING VERSUS VISIBILITY JAN 68

95.4

95.7

95.1

84.0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

BARBERS POINT HAWAII

7

0

NO CEILING

0

× 20000

VI VI 0008 0008 0008

Q

12000

福

2000

AI AI

4500

ALAI

40

3200

AI AI

.

2000

AI AI

4

(FEET)

0

2222

٥ ٨١

81.4 81.4 82.0 82.0 82.3 82.3 9.6 9.6 99.6 99.6 99.6 99.6 0.46 82.0 84.0 95.4 81.9 78.8 79.7 95.1 95.7 × Al 82.3 82.3 82.3 0.46 95.4 95.4 95.4 81.9 81.9 81.9 82.0 82.0 95.1 81.9 81.4 84.0 79.7 2 5/16 82.0 82.0 95.1 79.7 91.4 84.0 84.0 78.8 81.9 2 0.46 81.9 82.0 82.0 95.1 78.8 79.7 81.4 * 82.0 82.3 82.3 0.46 95.1 95.4 95.4 95.4 95.4 95.4 95.4 95.4 81.9 81.4 82.0 78.8 84.0 9.19 79.7 ۲ ۱۸ 81.9 67.6 82.0 84.0 0.46 95.1 82.0 <u>__</u> VISIBILITY (STATUTE MILES) 82.0 82.0 0.46 79.7 9.66 82.0 82.0 82.3 82.3 95.1 81.4 81.4 81.9 81.9 81.9 81.9 84.0 84.0 ½ ∧ 79.7 0.46 6.66 6.66 95.1 9.66 6.66 7 7 81.9 82.0 82.2 82.3 82.3 82.3 82.3 82.3 0.46 6.66 6.66 79.7 81.9 81.9 82.0 82.0 84.0 95.1 90.66 9.66 6.66 6.66 6.66 6.66 6.66 78.8 81.4 ۲ ۸۱ 78.8 81.4 82.0 84.0 6.66 67.6 95.1 6.66 0.46 1 2% 81.9 6.66 81.9 82.0 9.66 79.7 82.0 0.46 95.1 6.66 78.8 84.0 84.0 84.0 78.8 6.66 81.4 81.4 ۸I 99.6 99.6 6.66 6.66 8.66 95.3 95.4 95.4 9.79 78.8 79.7 81.9 81.9 0.46 0.46 95.7 95.7 6.66 6.66 82.0 82.0 82.0 6.66 6.66 95.1 95.1 ۸I 79.7 81.9 81.4 N Al 8.66 84.0 8.66 81.9 95.0 67.6 78.8 79.7 81.8 81.9 99.8 8.66 81.3 98.7 ٨١ 92.6 8.66 4.66 81.9 82.2 93.8 95.2 8.66 81.3 6.96 99.8 84.0 8.66 2

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

		٨١	86.	88	88	90	9	0	90	98	98	96	00	0000	0100	0100	0100	0	.0010.	0100	86	100	001
100 P (5 T		7/	1.0		1-1	0.0	7	7.0	90.7	4.0		8		-			00	0	0.0		0	0	9
		٨١	7 4	44	1 88	1 90	1 4 90	7 90	44	0	1 98	1 98	0100	0010	0100	0010	0010	0010	0100	000	0100	0010	0010
		2 5/16	86		88	90	000	90	90	98	980	98			0100			8		0100		0	00
		2	1.0	1.1			7.0	7	7.00	8.7	•	1	0			00					00	9	0
		٨١	00	44	00		00		00	0		4 98	0100	010	0010	0100	00100	0100	0010	000	0100	0100	0010
		*	86	8 8	88	8	9	90	90.	86	98.	86	.0100	9	00	000	88	8		0100			100
		×	1.0				7.0		7.0	8.7			0	5 6	0	.0100.0100.	.0100.0100	0	100.0	00	00		9
ä		Al	00 00	44	7 88	1 90	1 90	1 90	1 90	7	1 1	1 98	-	0 0	010	010	010	010	010	000	0100	0100	0010
SEN CO	(\$)	N .	986	80 8	88	90	000	00	90		98.	98.	100	000	0100	0100	00	00	-	0100		00	00
NCY OF OCCUR	VISIBILITY (STATUTE MILES	7.1	1.0	88.7	88.7		90.7	90.7		8.7	•	98.7	0.0	0 0	0	0.0	0.0	0	0100.0010	00	00	0	0
A TA	(STATU	٨١	17		D 0	10	00	7	P P	7			010	000	0100	0100	010	300	010	0100	100.0100		
Y OI	BILITY	V 1%	86	8 8	88	8	000	90	06	98	80	98	100	000	100	100	000	100	100	000	000	0100	100
_	VIS	2 2	10.0	80	88.7	90.7	-	90.7	7.0	98.7	•	98.7		0	0100 0100	0100.0100.0100	0100.0100.0100.0100	0	100.0	100.0	100	100.0	0.0
FREQUE			- F	7-1	P.F	6	60	7	44	-	6 0	-	010		010	000			0	000	070	010	010
뜻		2 2%	98	00 00	80	-	-	90	66			0 80	100	100	0100	100	000	100	100	000	000	00	100
ENTAGE (FROM		8	86.7	88.7	88.7	90.7	90.7	90.7	7.06	98.7	•	98.7		000	0	0.00	0.0	0	9	1000.0	00		000
A F		-			1.1		-			F	r.		0.	9	0	0100	100	30	.010	00	90		001
PER		AI	86			9		90			1	0 5	100	000	100	100	100	90	0		-	100	100
		8	86.	88.7		90		0		98.	98.	98	00	00.00	00.0100.0100	100.0100	00.0100.0100.0	00	00.00	000	000	00.00	00
		•		FF	-		H		-		-		0	0 0	50				10.	50	35	0	
		AI	9 8		80	1 90		000	000	1 98	6	000	0100		100	0100	010	100	0100	00.0100.0	010	100	0100
		۵ ا	80		80 0	90		0		98	98	0 0	100	100.0100	100-0100-01	100.0100.01	100.0100.01	00	100.0010.001	100.0100.0	100.0100.01	100.0100.0	100
	FILING	ret)	CEILING 20000	18000	14000	10000	000	200	9000	4500	900	300	2500	1	1300	1200	88	1	000	88	88		\neg

TOTAL NUMBER OF OBSERVATIONS

0 0 0

BARBERS POINT, HAWALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINTS MAMALI

8

73-77

0.5 HOURS (1 S.T.)

-

CEITING								, ,	VISIBILITY (STATUTE MILES)	(STATU	TE MILI	[S]									
(FEET)	2	٨١	S) Al	٨١	AI	٨١	21/2	1 A	VI %	٨١	7.	- A1	NI NI	*	*	Z Al	AI .	5/16	Z AI	AI	-
NO CEILING	00 (:	84.0	84.	98	8 6	0	84.0		80	0.4	84.0		01	0.45		8	0.	84.0	*	01
2	•	0		•	00			2	00	0			0			-	0			0 0	-
18008	000				000	D a			0 0	7	•		9 4				9 4				
	88.7	0 0	-	0 0	7 8 8	0		0 0	0 0	0	•	•	1		18.7		0	1	88.7		
1 1 200	800	3 00	88.7	8		0			8	4		00	00				0				-
				88.	7 88	0		8	-				00				0			8	
000	89.3	00	89.3	89.	3 89	80		89.3	8	3	9.3	6	00		6		8			0	. 3
	6		œ	89.		.3		6	8			6	80		.6		8	.3			. 3
7000	89.3	89.		89.	3 89	.3 8	6	.6	8			6	00		6		8	.3	89.3		
		89.	89.		3 89	.3	6	89.3	89.	3 89		89.3	8		6		8		89.3	89	
2000	91.3	0	:	91.	3 91	.3 9	-	-	0		•	:	6		-		0	.3	91.3	16	
1	97.3	97.	97.	0	0	.3	-		0			-	0		7.		6			97.	.3
141	97.3	0	97.	0	0	.30	-	:	0			2	0		7.		0	.3		97	3
1		97.	97.	0	0	.3 9	1	1:	0			-	0		1:		0	.3		97.	.3
3000	97.3		97.	0	0	.3 9	7	-	0			-	0		-		0	.3	97.3	97	.3
1	99.3	99.3	99.3	.66		.3 9	6	99.3	0			6	0		. 6		6	.3		66	
7 2000	100.0	100.0100.010	0	10	10	.010	0	å	10	-			10	-	0		2	10.		100	0
1	100.0	100.0	0	100	10	.010	0		10	-	•		10	-	0.00		2	10.		801	0
2 1500	100.0	100.0100.010		100.	0100	.010	0		10	-	•	0	2	-	0	100	2	00	000		0
7 1200	100.0	100.0	0	100		.010			10	-		0	9	-		100		9		100	0
VI 1000	100.0	100.010.010		10		900	0	å	9	-	•	0	2	.010	0	100	9	-	000		0
8 Al	100.0100.010	10000	100.0	20		0	0	•	-	-	•	0	2.	-	0	100		•		001	0
	100.0	100.0		9	-	0	0	å	9	-	•	0	9	010	0	001			00.00	8	0
700	100.0	10000	•	20		0		0000	-	-		0	9	-		100		•	000	801	0
09 AI	100.0	100.0		-	-	0.	0	0	9	-		0	9	-	0	100			00.00	8	0
	100.0	100.0		20	0100	-	0	0.00	-	_		ċ	8	-	0	100				8	0
A1	100.0	100.0	00	-	10	-	0	å	-	-	•	0	2	010.	0	100			8	8	0
38	100.0100.001	100.0	100.0	100	0010	010		0000	100	010	0.0	100.0	8	0.0	0.0	100		0.0	•		0
8	100.0	100.0	0	9	9	-	0	å	-	2		0	9.	0	0.0	001		•	00.00	00	0
8	1000	100.0	~	-	0	010			4.	-	0	0001	001	0	0	90	ŏ	0.0	000	00	0
1	1000	100.0	100.0	100	0010	010	0.0	000	100	010	0.0	100.0	201	575.	200	201	515	1000	000	201	2

TOTAL NUMBER OF OBSERVATIONS

150

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE	ATIONS)
CY OF	OBSERV
FREQUEN	FROM HOURLY OBSERVATIONS
RCENTAGE	(FROM I

		0	-	30	-		N	-	-	~	-	VK	-	100	O	07	VA	-	0		0	517	0.0	10		00	,
				-	-					•					-			-		•		•	•		•	•	1
	Al	80	87					9 8			86	0 0	86	66	8	88	38	8	8	8	88	3	88	8	8	88	
			~ .	1			1		-	-	•	-		1	-	-	-	-	-	-		-	-	-	-	-	9
		0.4	4	90	9	-	3'			0	-			100	9	00	0		0	0	0,0	9	00	0	9	00	1
	7	90	-	0	8					2		0 0		66	0	88	0	0	8	0	9	2	000	0	0	99	Ł
	~	00		9	80		0	0 00	80	0	00	0	0	0	2	000	30	01	20	001	200	201	000	8	10	22	1
	•	0 4	M	C	0	-	HI	-	w	0	-	-	-	3	0	00			0	0			00	0	0	00	3
	5/16	90	-	9	80				6	2		0 0	8	6	0	00	0	0	0	0	0	3	00	0	0	00	3
	Al	00	-	00	0		0	0 0		0	00		0	66	9	86	8	8	8	9	88	2	000	0	0	99	7
		04	(3 0	0	-	H		1	0	-	-	-	3	0	00	0	0	0	0	0	5	00	0	0	00	Ä
	2	0.	•	•					6	~		0 00		6	0	0	6	0	0	0	0	5	00	0	0	00	7
	Al			0	-		0	0 0	1	0	00	0			ŏ	88	ŏ	ŏ	ō				ŏŏ		ŏ	ŏŏ	2
		0 m	m (0	0	-	H		3	O	-	-	-	1	3	35	5 6	3	3	3	33	3	33	3	8	55	š
	*						•			•			•									•			-	::	:
	Al	80	2	8 6		8	0	88			86	9 6	8	6	8	88	38	8	00	8	88	3	88	8	8	88	
														1	-	-	4	-	-	-	-	-	-	-	7	35	1
	*	0.4		-			-			3	•									•	•	•	00		-		-
	AI	80	87	2 0	8	88	8	9 8	89	92		9 6	86	66	8	88	300	100	100	8	200	001	000	8	00	88	3
				1	_						0.0		-		-	-			ž.	0					=	33	•
		0 6		9 0	0	-	7		w	0	-		-	w	0	0,0	0		.0	0	0	9	o c	0	0	00	1
	AI	9	-		00	00		D 00	1	~		0		0	0	0		00	00	0	00	0	00		0	00	3
ES.		80 00	00	a			00	20 40	8	0	0	20	. 0	0	10	-	4 -4	-	10	9	2	9.	99	20	9	20	7
7		0	9	9 0	0	~	H	~ ~	m	O	-	7	-	3	0	0	3 0	0	0	0	0	a	00	0	0	00	4
W .	7.	10	2.	0 0	8	8	8		6	di		D @	8	6	0	0	90	0	0	0	0	9	00	0	0	00	3
5	Al	00 00	8	0 4	00			0 0	0	0	0	0	0	66	00	88	0	9	00	8	8	00	800	8	8	80	2
VISIBILITY (STATUTE MILES	-	0 6		a c	0	-	N		m	Ö	-1	7	-	m	8	50	5 0	8	8	8	3	5	8	0	8	00	3
<u>></u>	2.	00	2.	4			5				-:			:	3				:	3	3	3		3	0	00	1
=	Al	80 80	8	8						6		0				8	5 6	ŏ	00	8	8	00	88	8	o	00	4
ISI	-	0 1	10	00	0	1	N		m	ō	-	1	4	m	2	3	3 6	3	6	0	3	o ·	35	30	3	55	Ė
>	~			4 .			•	• •			•										•	•		:		:	=
	Al	80		8 8	8	88		80 60		92		0	8	6	0	00		0	00	8	00	ä	88	8	0	000	3
			-	1	-			-	-	-	~	-		m	-	3	1	-	3		-	-	36	4	3	55	3
	21/2	0.4		1						0		-					4 .					•			•		3
	AI	80	87	9 8		88		0 80 0 80		32	80	0 0	38	66	8	00	38	00	00	8	8	00	88	00	8	88	
				-		-						-			-	-	-	-	-		-	-	-	1	-	==	1
		0 "		9 9	9	1.	7		i.	9					0		20	0		9	0	9	00	0		96	1
	NI NA	10	7	0				0					0	0	00	8	200	0	00	8	0	8	88	8	00	000	
			₩ 6	9 4		40	7	20 20	80	6	6	0	. 6		-			-	-	-	4	-	-	-	-	7	1
		0 "	9	9 9	0	-	7	-1	3	0	.7	-			0	50	90	0	0	0	0	0	00	0	0	00	3
	AI	10							0		8	80	00	66	00			8	8	00	8	00	86	8	00	88	3
		20 00	00		00	-	0	20 40	0	0	0	0	0		-	-	101	2	10	2	2	9	200	12	10	25	1
		04	3	0	0	-	M		3	O	F	4	- 1	1	0	0	3 0	0	0	0	0	0	00	0	0	00	3
	50	0	-						0	2.				0	0	0	0	0	0	ò	0	0	00	0	0	00	i
	AI	9 80		C (0	00	00	10 00		0	0	20	0	0	0	9	9	9	9	0	9	0	001	0	0	100	7
	-	04	m	0	5 6	1	N	11	-	O	-	-	-	-	O	0	0 0	0	0	0	0	0	0 6	0	0	00	3
	•						•			•							3 6		ò	ò	ė.	•	00	36	0	0	3
	Al		2	0 a				D 0	80	6	0	0	6	0	ŏ	8	0	ŏ	100	ā	8	ā	88	ŏ	ă	88	3
		0	0	0	50	1	N	-	-	0	0	0	50	-	2	2	20 CU	60	100		(4)		2	10	3	2 2	3
	9					:	•	•			•	•				66							•				4
	AI	20	8	2 2	8	88	8	8 8	8	26	36	2 0	6	36	56	6	000	6	6	6	6	5	000	6	6	66	
				1		1	1		-			1		-			+		_	_		4		+	_		4
		20	00			0	-	00	-					-	0	0.0			0		0		00	0		00	
CEILING	E	CEILING 2000	18000	18	12000	0000	3	8 8 8 8 8 8	9009	ğ	450	3	88	100	2000	900	2	8	8	8	88	8	88	30	200	ã.	
E E	F	2 4	AIA		141	1 000			1							ALA	1	1 / 1	AI	41	AI A	AL	AI AI	I A	IAI	AIA	
0		오 시	^ ^	' ^	۱۸۱	AI /	"	AI AI	_^'	۸ı	AI /	^ /	1 11	1	۸ı	~ ~	' '		^"	~	AI /	**	AI AI	1		ATA	

TOTAL NUMBER OF OBSERVATIONS

1234-18766

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMALI

AI AI

AI AI

AI AI

AI AI

ALAI

AI AI

AI AI

AI AI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....

92.0 0.46 99.3 00,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100 00.0100 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 000.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.010 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 AI 83.3 85.3 92.0 82.0 83.3 83.3 0.46 83.3 83.3 82.7 92.7 92.7 82.7 99.3 99.3 92.0 0.46 83.3 83.3 85.3 83.3 92.7 92.7 82.7 2 5/16 99.3 83.3 92.0 83.3 85.3 92.7 82.0 0.46 82.7 82.7 83.3 83.3 83.3 92.7 2 ٨١ 92.0 83.3 82.7 83.3 99.3 82.0 85.3 83.3 92.7 83.3 0.46 92.7 * AI 92.0 83.3 83.3 99.3 99.3 99.3 99.3 83.3 82.0 82.7 83.3 82.0 7.26 0.46 V VI 92.0 83.3 83.3 85.3 92.7 0.46 82.7 83.3 AI VISIBILITY (STATUTE MILES) 92.0 92.7 0.46 83.3 82.7 92.7 ¥1 × 92.0 85.3 0.46 83.3 83.3 92.7 92.7 82.7 83.3 0.46 0.89 95.0 85.3 82.0 82.7 83.3 83.3 83.3 66.3 83.3 92.7 7 99.3 99.3 99.3 99.3 99.3 83.3 83.3 92.0 82.7 85.3 0.46 × 2% 82.0 83.3 95.0 85.3 92.7 0.46 82.7 83.3 83.3 83.3 82.7 92.7 M Al 85.3 92.0 82.0 82.7 83.3 83.3 83.3 92.7 45.7 82.7 83.3 0.46 83.3 ۸۱ 0.46 83.3 85.3 95.0 92.7 82.0 83.3 82.0 82.7 83.3 83.3 83.3 N Al 92.0 82.7 83.3 83.3 83.3 92.7 0.46 82.7 11 95.0 8.66 83.3 85.3 0.46 85.0 83.3 83.3 92.7 82.0 82.7 82.7 83.3 92.7 9 NO CEILING 18000 2000 (FEET) 2 20000 12000 900 3000 2000 88 80 8 00 0 00 0 00 4500 4000 90 150 00 150 90 88 88 88

AI AI

ALAI

AI AI

AI AI

AI AI

AI AI

AI AI

TOTAL NUMBER OF GESERVATIONS

00.0100

BARBERS POINT FAMILY AND AND IL

PERCENTAGE FREQUENCY OF OCCURRENCE	RVATIONS)
FREQUENCY O	(FROM HOURLY OBSERVATIONS
ERCENTAGE	(FROM I

	0 1	56.7	70.0	20.00	70.7	70.	70.07	70.7	70.	78.7	91.3	92.0	94.7	99.3	100.0	100	000	000		000	100.0	100.0	100		000	0.001	100
	7 1	56.7	20	9	70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	7.46		0000			•	0000	00	00	100.0	000	2 4	000	0.00	0000
	≥ 5/16	56.7	70.0		70.7	70.7	70.7	70.7	70.7	78.7	61.0	92.0	7.76		000	0000	0	0	000		0	0	100	5	000	0000	0000
	N %	56.7	70.0	0	70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	24.7	6	100,001	100.001		0.0010			0	100.00	100.00		100.00	00.00	0000
	*	56.7	70.0		70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	94.7		00.00	00.00	•	100.00		0	0	0	80		00.00	00.00	0000
	% AI	56.7		200		70.7	200	70.7	70.7	78.7	91.9	92.0	7.96		00.00	0	0	0	3 6	00	00	100.00	100	•	100.001	00.00	0000
6	~	56.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	4.7		00.00			•	1000	0	0	100.001	100.00	2 4	00.00	00.00	00.00
VISIBILITY (STATUTE MILES)	×1 ≤	56.7	70.0	10.0	70.7	70.7	100	70.7	70.7	78.7	61.0	92.0	7.56	66.3	00.01	100.001	00.01	•	0.0010	0	0	100.001	100.001	5	00.00	00.00	00.00
ILITY (STA	N 1%	56.7	70.0	200	70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	4.7	66.3	00.01	0.00	0	0.				00.01	00.00	3	00.00	00.01	00.00
VISI	1 2	56.7	70.0	000	70.7	70.7	70.7	70.7	7007		91.3	92.0	1.96	66.3	0000	0	0000	00.00	10000			0000	100.001	2000	00.00	00.00	00.00
	≥ 21/8	56.7	70.0		70.7	70.7	70.7	70.7	70.7	78.7	61.0	92.0	94.7	86.3	00.01	00.00	00.00	00.00	000	0	0.	00.01	100.00	3 6	00.00	00.00	00.01
	N 3	56.7		0.0		70.7	70.7	70.7	70.7	78.7	91.3	92.0	1.96	66.3	00.00	100.001	100.01	•	10000	0	0	100,001	100.01	3	100.001	00.00	00.00
	4 41	56.7	•	0.0	70.7	70.7	70.7	70.7	70.7	78.7	91.3	92.0	7.46	86.3	00.00	0.	00.01	•	00.00	0	0	00.00	00.00	200	00.00	00.00	10.00
	\$ 41	56.7	70.0	0.0	70.7	70.7	10.7	70.7	70.7	78.7	91.9	92.0	7.46	66.3	100.001	00.00	00.00	00.00	000	0	0.0	00.00	000	200	000	00.01	00.00
	o Al	56.7			70.7	70.7	70.4	70.7	70.7	78.7	61.0	92.0	7.46	6.66	00.00	00.00	00.00	00.00	000	0	00.00	00.00	0.0100.0100	0000	0100.010	00.00	00.00
	0 4	7.00			70.7	70.7	4 .	70.7		•	6.10		7.46		100.01	100.00	0000	100.0100.010	0000	100.010.010	100.001	100.001	100.0100.0	0000	100	100.001	g
CEILING	(FEET)	NO CEILING	18000		> 12000	10000		7000	0009		4000		3000	> 2500	2000	0081	280	2 200	3	88	2 700	900	989		8 8 8 8	80	,
		Z								_									1								

0 0 0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

	1
	-
	-
	1.0
-	-
•	-
-	4.
	122
	15
	12
	12
	1
	1
	7

....

CEILING							VISI	BRITY (ST.	VISIBILITY (STATUTE MILES	ES)						
(FEET)	2 1	9 Al	\$ 21	4	es Al	≥ 2%	7 7	Y 1%	7	M	λ. 11	*	Z AI	≥ 5/16	M M	٨١
NO CEILING	60.09	.09	60.0	0.09	60.0	0.09	0.09	0.09	60.0	60.09	0.09	0.09	90.0	60.0	0.09	60.0
× 20000	70.7	70.	70.7	70.7	70.7	70.7	7007	70.7	4	70.7	70.7	70.7	70.7	70.7	70.7	70.7
N 18000	70.7		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
	70.7	70.	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
N 14000	71.3	7:	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	72.0	72.	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
N 10000	72.7	72.	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	72.7		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
0008 AI	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	72.7	-	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
0009	72.7		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
> 2000	77.3	77.	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
	87.3	87.	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3		87.3	87.3	87.3	87.3
7 4000	89.3	89	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
	89.3	89.	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3000	92.7	92.	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2 2500	98.0	98	0 98.7	98.7	7.86	7.86	98.7	98.7	98.7	98.7		98.7		98.7	98.7	98.7
	99.3	66	100.0	100.001	100.0	100.001	0	100.001	100.0	100.001	100.0	10001	100.0	100.0	100.0	100.0
1800	99.3	66	10000	100.001	100.00	.001	100	100.001	100.0	10000	100.001	0000	0100.0	100.0	10000	10000
	99.3	66	100.001	100.001	100.0	100.0	100.01	100.001	100.0	100.001	100.001	00	100.0	100.0	10000	100.0
2 1200	99.3	66	100.001	100.001	100.0	100001	100.001	100.0	100.0	10000	100.0	10000	0.0010	100.0	100.0	1000
V 7000	99.3	66	100.001	100.001	100.0	100.001	00	0100.01	100.0	100.0	100	0100.0	0.0010	100.0	100.00	100.0
8 AI	99.3	66	100.001	100001	100.0	100.001	100.001	0100.0	10000	100.0	100.0	10000	0	100.0	10000	1000
	99.3	66	100.001	100.00	100.0	100.00	100001	0100.0	0000	100.001	0000	000	0	100.0	100.0	100.0
78	89.3	66	0	0.0010	100.001	.00	100	0100.01	100.0	100	100.0	0	100.0	100.	0100.010	1000
09 AI	99.3	66	0	0100.0	100.001	100.001	100.	0100.01	00	0100.0	100.0	100001	0000	100.0	100.0	0100.0
88 41	66.3	66	0	0100.0	100.001	100.001	100	0100.01	0.00	100	00	0100.0	0	100	0100.0	0100.0
1	99.3	•	•	0100.0	0100.0	0100.01	00	0100.0	0100.0	0100.01	00	0100.0	0100.0	100	0100.0	0100.0
300	99.3	66		0100.0	0.0010	0100.0			0100.0010	100.0			100.0	10000	0100.0010	100.0
- 1	99.3	66	0	0100.0	.0100.0	0100.0010		0100.0	100.0	0100.0100.0100		0100.0	100.0	0100.0100.0100.0100	100.0	100.0
8	66.3	66	100001	.0100.01	0100.0		100			.0100.0	100.0	0100.0		.0100.0	.0100.0100	1000
	99.3	66	100.0100	100.00	.0100.00100		100	.0010.	0.0010	100.0	.0100.0100.0100.0100	0000		.0100.00100	100.00	.0100

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAII

SEP	MONTH	20	(1 × 1) \$300W		N
					Z AI
					*
	2				% Al
	YEARS	RENCE	·	£S)	Ā
		CCUR	TIONS	ATUTE MIL	71
-77		YOF	(FROM HOURLY OBSERVATIONS)	VISIBILITY (STATUTE MILES)	V1 71
73=77		UENC	17 OB	VIS	1 2
		FREQ	HOUR		2 2%
		NTAGE	FROM		K 11
AII	-	PERCENTAGE FREQUENCY OF OCCURRENCE	_		AI
HAMAI!	STATION NAM				٧١
TNICO					AI
ARRESC DOTN					0. 1
AAR				ING	(FE)

CEILING 200000 118000 118000 118000 1190000 119000 119000 119000 119000 119000 119000 119000 119000 1190000 119000 119000 119000 119000 119000 119000 119000 119000 1190000 119000 119000 119000 119000 119000 119000 119000 119000 11900													-				7
	2	o Al	8 1	AI.	E AI	2 2%	1 2	Y! %	VI 22	Ā	AI	* Al	AI 2	≥ 5/16	VI N	٨١	
20000 18000 10000 10000 2000 2000 2000 2		72.7	72.7	72.7	72.7	72.7	72.7	72.7		72.	72.	2	72.	72.		7 72.	IF
18000 16000 10000		80.0		d	80.0				80.	8	80.	80.	80	a	0 80	80.	a
16000 11000 12000		80.0			80.0	80.0	80.0	80.0	80.		80.	0 80.0	0	0 80.0	0		0
14000 100000 100000 100000 100		80.7		80.7		d	•	0	80.	80.	80.	80.	80.	80.	. 80	80.	P
12000 10000		82.0		2	82.0		2		82.	82.	82.	82.	82.	82.	2	0 82.	0
1500 1000 1000 1000 1000 1000 1000 1000		83.3	83.3	83.3		3	83.3	83.3		80	83.	3	•		83.	00	7
200		86.0		4			3		84.	84.	84.	84.	84.	84.	84.	84.	0
8000 7000 8000 8000 4500 4500 1300		84.0		4	84.0	84.0		84.0		84.0	84.	0 84.		0 84.0	0 84.	0 84.	0
7000 8000 8000 4500 4000		84.0		4	*	4	4	;	84.	84.	84.	84.	84.	84.	84.	84.	0
\$000 \$000 \$000 \$000 \$000		84.0		84.0	84.0	84.0	84.0	84.0	84.	84.0	84.	0 84.0		0 84.0	84.	0 84.	0
350 4000		84.0		4	*				84.	84.	84.	84.	84.	84.	84.	84.	0
4500 4500 3500		84.0		;		84.0	84.0	84.0	84.	84.	0 84.	0 84.0	84.	84.	84.		0
3500		95.3		3		3		5	6	95.	95.	95.		3	95.		1
3500		96.0			9	96.0	96.0	96.0	96.	96.		96.	96.	96.	96 0		d
		96.0		96.0					96	96.	.96		96	96	96	.96 0	0
7 3000		96.7	7.96	7.96		96.7	96.7	96.7		96.7	96	96	96	7 96.	96	0	F
2500		98.7	48.7	7.86	7.86	98.7		98.7	1 98.7		.86 4	. 86 1	7 98.	7 98.7	. 86 1	7 98.	K
2000		00.00		0.00	100.0	100.0		100.0	100.0	100.0	100.	0100.0	0100	0100.0	0100	0100.	0
	00.00	00.00	100.001	100.00	100.0	100.0	100.0	100.0	100.0	100.	0100	100	0100.0		0100.0	3100.	0
1500	00.00	00.00	-	100.00		100.0	100.0	100.0	0	10	1000	0100.0	0	10	1000	0010	O
1200	00.00	100.0100.0100	0	100.00	100.0	100.0	100.0	100.0	100.0	1000	100.			0100.0	0016	0100	0
2 1000	00.00	00.00	100.00	100.0	100.0	0		100.0	100.0	100.	0010	0100.0	0100.	0100.0	1000	1000	O
8	00.00	100.0100.0100	0	100.00	100.0	100.00	100.0	100.0	100.0	100.	0	•		0100.0	0100	1000	0
7 900	00.00	00.00	-	100.0	100.0	100.0	100.0	100.0	1000.0	100.	0010	0100.0	0100.	0100.0	1001	100.	a
200	00.00	00.00	0.0	0	100.0	100.0	100.0	100.0	100.0	100.	0100	0100	0	0100.0	0100	10010	0
1 000 2	00.00	100.0100.0100	.0	100.0	100.00	0	100.0	100.0		100.	0100.	100		100.	0100	1000	O
905	00.00	00.00	0	0	100.0	100.0	100.00	100.0	1000.0	100.	0100.	•	0	0100.0	0100	10016	0
- 1	00.00	100.010.010	_	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	0100	0	0100.0	1000	0100	O
300	00.00	0000	0	100.00	100.0	100.0	100.00	100.0	100.0	100.0	100	0100.0	0100	0100.0	100	0010	0
- 1	00.00	00.00	0000	100.0	100.0	100.0	10000	100.0	10000	100	100	0010	0010	0100.	1000	0100	0
8	00.00	100.0100.0100	10000	100.0	100.0	100.0	10000	100.0	100.0	1000	0010	0100	0010	0100	0010	0010	0
0	0000	00.00	00.00	100.0	100.0	100.0	1000	100.0	1000	1000	1000	0010	0010	0100.	3100	100	0

0 0 0 0 0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWAIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2220

CEILING (FEET)		+				-				VISIB	VISIBILITY (STATUTE	TATUTE MI	WILES)	+			-				-	T
	٨١	0	٨١	59 Al	A 1		e Ai	1 2%	AJ	7	72	VI Z	ΛI	_	% 1A	*	AI .	2	≥ 5/16	AI	Al	0
NO CEILING	89	0		82.	8	0	2.	2.	600		2.	82.			82.0	82.	8	2.0			8 0	2.0
> 20000		9		86.	86.	8	6.0		0 86	0	86.0	00	8	0	9	86.	8	0.9	9	86	00	0.0
	00	0		86.	•				98 0			86.	00		86.0		0 8	0.9		00		0.9
N 16000	40	1	-	86.	86.	7 8		6.	00		86.7	80	86	1	86.7			5.7		7 86	7	2.4
	8	.3		87.	8	3 8	7.		3 87		7.		8		87.3	87.		7.3	•	œ	3 8	1.3
≥ 12000	-	1	-	88.	88.	7 8	8.7	8	7 88	.7	88.7	88.7	_	.7			7 8		8	7 88	7 8	3.7
¥ 10000	00	2.	-	88.	8	7 8	8.7		80	.7	88.7	88.7	8	.7	88.7	88.		8.7	88.	88	7 8	8.7
N 2000	_	1.	-	88.	88.	7 8	8.7	88.	7 88	.7		88.7	88	1.	88.7	88.	7 8	8.7	88.	88	7	3.7
		1.	88.7	88.	80	7 8	18.7	88.	7 88	1.	88.7	88.7	88		88.7	88.	7 8	8.7		7 88	7 8	4.4
7000	88			88.	88.	7 8		88.	7 88	.7		88.7	8	1.	88.7		7 8	8.7	88.	88	7 8	8.7
	80			89.	00	3	6	89.	3 89			89.3	89		89.3		3 8	6.6		89		6.3
2000	•	100		.16	.16	6	11.3	:			91.3	91.3		4	-	91.	3 6	1.3	-			1.3
	96		7.96	96	0	1	1.9	96.	7 96	1.	96.7	96.7		1		96		2.4	96.	1 96	7 9	2.4
1 4000	•			96.	6	1	.0	96.	7 96	. 7	96.7	9	6	1		96.		6.7	•			4.4
> 3300	-	1.			6	7 9		96.	7 96	1	7.96	96.7		1.	96.7	96	7 %	1.9	96.	96 1	1 9	4.9
3000		-	96.7	96	0	1 9	0	96.		1.	96.7		0	1.	9	96	7	6.7	96.	96 1	0	6.7
2 2500	-	d	6.66		0	3	6.6		9 99		99.3	99.3	66 1	· w	6	99.	•	6.3		€ 66	3 9	6.6
1 2000	100.	3	0.00	0100.0	1000	-	000	100.	10		00.00	100.	100	.010	00.00	2	2	0.0		-	2	0.0
1800	_	100	0.00	-	0100	010	0.0	00	0100	10.		100.	100	-		100	010	0	00	0100	010	0.0
	100	10.	0.0010	-	10	010	0	0	0100	.01	0	100.0	10	.01	00.00	-	2		00	-	0100	0.0
7 1200	100	10.	.0100.0100	100.0	100	-	0	0	-	70.	00.00	100.0		10.		0	010	0.0	00	0100	010	0.0
1	100	10.	0000	-	20	010	0.0		0100	100		100	10	-	00.00	2	2	0	00	2	0100	0.0
W W	100	.02	0.00	100.0	100.	-	0	0	-	10.		10	10	-			010	0.0	•	0010		0.0
1	1	10.	.0010.0010.	-	20	010	0.0	0	0100	10.	00.00	-	100	9	0	2	9		0	-	9	0.0
71		60	0.00	100.0	2	010	0.0	1001	0010	10.	00.00	100.0	10	9	0	2			•	2	2	0.0
	1	100	100.0100.0100	-	100.	010	0.0	100	0100	0	00.0	100.0	100	0.	00.0	-	9	0.0	0	0010	010	0
200		50	0100.0		2	010	0.0	00	-	6		100.0	10	6	00.00		010	0.0		2	2	0.0
		.01	0100.0010		20	010	0.0	•	0100	.01	00.00	100.0	100	.0	00.00	100			00.0		010	0.0
38	100.	100	0100.0		20	010	0	0	-	00	000	0	2	0	00.0	00		0			2	0.0
		9	00.00		100.	010	0.0	100	0010	.0	00.00	100.0	200	9	00.00	100	010	0.0	00	0010	010	0.0
8	10	3		-	2	010			0100	10.	00.0	0	0100	0	000	100	0	0	0	010	010	0.0
1	100	9	0000	100.0	100.	010	0.0	100	010	.0	00.0	100.0	001	0	8	001	010	0	00	001	010	000

0

0

40

0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

_		-	-	_	ON!	M	7	3	W	M	W	F	-	~	7	N	ਨ	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	01
	٨١	3.	-	-	-	12.	3.	3.	3.	3.	3.	13.	10.	:	3.			•	0	0	0	00	0	0	0	0	0	0	0	0	0	ô	0
		-	-		-		-	00			8		8	0	•		6	0	9	3	9	2	3	3	3	음	3	2	3	2	3	2	=
	*		3		3		3	:	3		3	:	9.9		3		2.5		0.0	:	3	:	0	:	3	:	000		000	:	3		3
	Al	73	9	8	8	8	83	80	8	83	8	83	8	6	95	95	8	6	00	8	8	8	8	8	9	8	ŏ	š	ŏ	3	ĕ	9	5
	•		-	1	0	3	7	3	-		5		0		-	2	2	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5/16	73	1	81	3	82	83	83	83	83	83	83	86	36	95	95	96	66	0	8	0		8		00		00	8	8	0	8	8	0
	Al			-		0	-		5		~		0		-		2	3	3	3	0	3	3	5	5	-	3	3	3	8	6	3	3
	2	3	4	:	-	2	3	3.	3	3	3	3	9	;	3		9	•		00	0	8	0	0	0	0	6	0	0	0	0	•	5
	۸I	-		•				00	8					0		0	6	5	2	-	-	-	-	2	2	-	2	2	2	2:	3	9:	3
	*	. 8			6			*				-				.2										•		•	9	0	9	9	3
	Al	73	8	8	8	82		83	8	8	83	8	86	3	95	95		8	00	8	8	8	8	8	8	8	8	8	8	8	8	8	3
		00	4	1	0	10	-	4	5	1	5	-	0		-	7	2	a	0	9	0	9	0	0	0	9	0	9	0	0	0	0	5
	AI	73	1	8	3	82	83	83	83	83	83	83		76	6	95	96	66	9	8	8	8	8	8	8	8	8	8	8	8	8	8	2
				~						-									3	3	0	3	3	-	3	-	3	3	3	3	3	3	3
	-	3	4	:	-	2	3.	3.	3.	3	3	3.	9	;	3		.0		0		0		0		0	:		0	ò	0	•		•
ES)	٨,	1	8	0	80	00	80	80	80	00	30	00	0	0	0		6	•	9	10	10	10	10	20	10	20	10	10	10	2	9	2	9
MILES	7.1				6			•	.5		.5				7		.2		9		9	0	9	0	9				9		9		9
(STATUTE	AI	73	81	8	8	82	83	83	83	8	83	83		3		95	96	6	8	8	8	8	a	8	8	8	8	8	8	8	8	8	8
(STA	-	00	5	-	3	~	-	3	~	S	-	-	4	-	-	~	~	•	8	3	8	3	3	8	8	8	8	3	3	8	8	8	5
LITY	¥1 ¥	0	7	=	8	32	0	33	3		83	83	96	76		95	96	66	0	8		0	9	0	0	8	00	0	9	0	9	8	2
VISIBILITY			5	~	0	6	-	4	2	-	2		8			-	2		70	3	-	70	-	3	70	70	9	70	3	70	3	5	3
>	~	3		:			3	3.		3.		3.	6.	:	3	:	:		000			00	0	ò	00	.00		0	0		à	0	à
	ΑI	1	80	100	80	00	00		00		00		80	0			6		-	-	100	-	-	-	-			-	9	20	9	2	0
	21/5		2		6.						•									0			-		•				0		9	9	2
	AI	73	81	8	8	82	83	83	30	8	83	8	86	9	95	9	96	66	0	00	0	8	00	8	100	8	00	8	8	8		8	8
		0		-	0	-	7	4	-	10	5	-		1	-	~	7	w	a	9	9	9	0	9	0	9	0	9	9	0	0	9	d
	AI	73	-	8	81		83		83	83	83	83	86	*	56	56	96	66	00	00	8	8	00	00	00	8	00	8	00	00		8	9
			2		6				5	10				-			2	3	-	6	~	6	-	3	0	0	0	6	0	0	6	3	3
	AI AI		1	:	-	2.		3.	3.	3	3.		6.	*	3	3	96.	6	00	00	00		00		00	0	00		ò		00		0
	^'	7	8	80	8	00	8	80			0		8	0		0			-	-	-	9	-	2	-	-	-	-	-	-	-	-	2
	50	-		-	-		-		_	.5					-		-		-		-				000		.0		-		9		:
	Al	73	8	8	80	8	8	8	00	5 83	83	8	8	0	6	6	6	6	0	001	0	0	9	0	0	0	ö	0016	Ö	100	ĕ	0	Š
	-		-	1	0	-	7	*			-				-	2	N	N	6	0	0		6						•	•			5
	AI	13	-	8	8	62	63	83	83	83	83	83	86	36	95	95.	96	66	66	66	66	66	66	66	66	66	66	66	6	66	6	6	66
		-				3		3	-	-	-	-			0	-	-	-	00	85	00	00	10	-		8	0	00	8	05	8		-0
	2	3	1	.:		2.		3		3		3.	9		14	3	9		6	6	6		6	6	6	6	6		6	66	6		
	AI	1	00	m	00	00	(C)	3	80	400	80	00	0	0	5	0	9	6	0	0	•	0	0	0	0	•	0	•	0	0	6	0	^
o	-	S	8	2	8	8	9	0	9	0	9	9	9	0	9	9	2	9	8	9	8	2	8	2	2	8	8	8	8	38	8	8	
CEILING	FEET	CEILING	20000	18000	8	1400	12000	1000	8	8000	78	900	Š	450	4000	3500	8	2500	20	800	35	1200	2	8		8	8	8	4	8	2	2	
2	-	9	AI	Al		AI		AI	M	AI	Al	AI	۸i	٨١	M	AI	M	A1	ΑI	VI	VI	VI	Al	A)	AI	AI	٨١	AI	AI	Al	Al	AI /	AI
		_	-	_	_	_		_	_	_		_		-	_	_	_		_		_				_	_	_	-	_		_		_

TOTAL NUMBER OF OBSERVATIONS

-

CEILING VERSUS VISIBILITY

BARBERS PUINT HAMAII

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02 HOURS (15.1.) .

Part	2 1 28 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						71.4							
00000000000000000000000000000000000000	3.1 78.1 3.7 80.7 1.3 81.3	A I	۸۱ « ۸۱	227	% 11	77		ŽI	% AI	*	2	01/67	× AI	٨١
000000000000000000000000000000000000000	3.7 80.7 3.7 80.7 1.3 81.3	78.1 7	8.1 7	1.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
12000 99 99 99 99 99 99 99 99 99 99 99 99	7.980.7	80.7 8	0.7 8	7.0	80.7	80.7	80.7	80.7	80.	80.7	60	80.7	80.7	80.7
1200 1200 1200 1200 1200 1200 1200 1200	1.3 81.3	80.7 8		1.0	80.7	80.7	80.7	80.7	80.7	1 80.7	80.7	80.7	80.7	80.7
12000 120000 120	1.3 81.3	80.7 8	0.7 8	1.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
12000 8000		81.3 8	1.3 8	1.3	81.3	81.3		81.3	81.3	81.3	81.3	81.3	81.3	81.3
10000 100000 100000 100000 100000 100000 100000 100000 100000 1000000 1000000 100000 100000 100000 1000000 1000000 100000 100000 100000 100000 1000000 100000	0.20 0.0	82.6 8	2.6 8	2.6	82.6	82.6	82.6	82.6	8	82.6	82.6	82.6	82.6	82.6
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.9 83.9		3.9	3.	83.9	83.9	83.9	83.9		83.9	83.9	83.9	83.9	83.9
2500 99 99 99 99 99 99 99 99 99 99 99 99 9	5 84.5	84.5 8	4.5 8			84.5	84.5	84.5		84.5	84.5	84.5	84.5	84.5
7000 5000 5000 6000	5.2 85.2	85.2 8	15.2 8	5.2		85.2	85.2	85.2		85.2	85.2	85.2	85.2	85.2
2500 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5.2 85.2	85.2 8	5.2 8	5.5	85.2	85.2	85.2	85.2	0	85.2	85.2	85.2	85.2	85.2
3500 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5.2 85.2	5.2	5.2	5	85.2	85.2	85.2	85.2	80	85.2	85.2	85.2	85.2	85.2
4500 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		87.7 8	7.7	7.7	87.7	87.7	87.7	87.7	7 87.7	7 87.7	87.1	87.7	87.7	87.7
2500 99 99 99 99 99 99 99 99 99 99 99 99 9		8.4		;	3	8.46	94.8	9.76	0	94.8	94.8	;		94.8
3500 94 3000 97 2500 99 2000 99 1500 99 1200 99 1000 99	8.96.8	96.8 9	6.8 9	6.8	94.8	96.8	No.	.9	96.8	8.96	96.8	8.96	96.8	96.8
3000 999 2300 999 1300 999 1200 999 1000 999					.9	96.8	96.8	96.8	96.8		96.6		96.8	96.8
2500 999 999 999 999 999 999 999 999 999	7.4 97.4	97.4 9	7.4 9	1.4	97.4	•	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2000 1800 1900 1200 999 1000 999	1.66 4.6	99.4	9.4 9		7.66	4.66	4.66	4.66	1 99.4	4.66	99.	99.4	4.66	99.4
1800 1500 1500 1500 1500 1500 1500 1500	0.00100	10.	00.00		00.00	100.0	100.0	100.0	10	100.0	1001	10000	100.0	100.0
1200 99	0.0010.0	10.	010.00	0.01	00.00	0	0	-	100.0	-	100.0	0	100.0	100.0
1200 99	0.0010.0	10.		0	0	0	100.0	-	100.0	100.0	100.0	100.0	100.0	100.0
66 000	0.0010.0	100.001	010.00	0	00.00		100.0		10	-	100,0	10000	100	1001
66 006	0.00100.0	100.001	00.00	0.01	00.00	00.00		100.0	100	1000.0	100	0	100.0	1001
-	0.0010.0	100.001	00.010	0.01	00.00	0.001	100.0	100.	100	-	100.0		100.0	1001
66	0.001000	6	010.00	0	0		100.0	100.	100	1000.0	100.0		100	100.0
66 002	0.001000	0.01	00.00	0.01	00.00	0	100.0	100.0	1000.0	3100.0			100.0	1000
≥ 600 99.4100		100.010				0.001	0	100.	100	0100.0	100.0	1000.0	100.0	1001
66 005	0.001000	100.010	0.010	0.01	0000	100.0	100.0	100.0	100.C	100.0	100.0	1001	100.0	1001
2 400 99.4100	0.001000	100.010		0	0	0	0	100	100.0	3100.0	10000	20	100.0	100.0
300	0.001000	100.001	0.010	10.01	00.00	100.0	100.0	100.0	100.0	10000	100.0	10000	100.0	1000
2 200 99,4100	0.00100.0	100.001	0.010	10.01	00.00	00.00	100.0	100.0	100.0	10000	100.0	10000	100.0	100
100	0.00100.0	100.001	0.010	10.0	00.00	100.00	100.0	100.0	100.0	100.0	100.0	10000	100.0	100.0
66	0.00100.0	100.001	010.00	0.01	00.00	0.001	100.0	1000	100.0	100.0	100.0	10000	100.0	100.0

0:0:0:0

0

TOTAL NUMBER OF OBSERVATIONS

- 5

HOURS (FS.T.)

CEILING VERSUS VISIBILITY

BARBERS PUINT HAMAII
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	01 Z	9	S)	VI	e Al	≥ 2%	7 2	×1 ×	V1 %	- AI	% Al	*	% Al	≥ 5/16	N N	1 0
NO CEILING		78.1	78.1	78.1	78.1	78.	1	78.1	78.		78.	78.1	78.1	78.1	78.1	78.1
	82.0	82.6	82.6	1	82		8	82.	82.6	82.6	82.6	82.		0 00	82.6	• •
> 16000		82.6	2	2.	82.	82.	82.	82.	82.	2.	82.			82.		82.6
2 14000		82.6	2.	2.	82.	82.	82.	82.	82.	2.	82.	82.	82.	82.		•
	-	83.2	3.	•	83.	83	83.	83.	83.	3.	83.	83.	83.	83.		•
00001 VI V		83.9		83.9	83.9	63.	83.9		83.		83.			83.		83.9
	-	83.9	3	3.	83.	83.	83.	83.	83.	2	83	63.	03.	63.		•
0008		84.5	;	84.5	84.	84.	84.	84.	84.	;	*	84.	4	84.		84.5
	-	84.5	84.		84.	84.	84.	84.	84.		84.	84.	84.	84.		84.5
0009		85.2	85	85.2	85.	83.	85.	85.	85.		85.	85.	85	85.		85.2
	-	87.7	87.	1:	87.	87.	87.	87.	87.	7	87.	87.	87.	87.		87.7
> 4500		96.8	96		.96	96.	.96	96.	96	•	96	96	96	96.		96.8
> 4000		95.8	97.	7.	97.	97.	97.	97.	97.	-	97.	97.	97.	97.		97.4
		97.4	6		6	98.1	0	98.	0			98.	0	98.1		98.1
3000		97.4	6	8	98.1		98.	98.	98.	8	98.	98.	98.	98.		98.1
2 2500		4.66	10	100.0	100.0	-	-		100.		~	10	-	100.	0.001	100.0
> 2000	4.66	99.4	10	0	100.0	100.	100.	100	-	0	100.	100.	100	-	•	100.0
V 1800	4.66	4.66	100.0	0	100.	-	100.	20	100.0	100.0	100.	100	100	100.	100.0	100.0
	99.4	4.66	10	0	10	100.	100.	100.	100 ·	0	100.	100.	100	-	10000	100.0
	4.66	3		100.0	100.0		-	100.0	-	100.0	-	2	100	_		1000
1000	4.66	99.4	100.0	100.0	10	100.0	100.0	100.	-	0	100.	100.	100.	100.	10000	100.0
	4.66	-	0	100.0	100.0	-	-		-		100	100	100	100	10000	1000
008	4.66	4.66	100.0	100.0	100.0	100.	10	100.	100.0	100.0	100.	100	100.0	100.	•	100.0
	7.66	66.4	10	100.0	100.0	1000.0	10	100.0	-	100.0	100	100	100.0	20	10000	100.0
09 AI	99.4	99.4	10	100.0	100.0	100.	10	100.	100.0	100.0	10	100.	100.0	~	10000	100.0
200	99.6	-	100.0	100.0	100.0	100.	100.0	-	-	100.0	-	100	100.0	2	10000	100.0
	4.66	-		100.0	100.0	100.	100.	100.	100.0	100.0	100.	100.	100.0	-	10000	100.0
	99.4	4.66	100.0		100.	100.	100.0	100.0	-	10001	100	100		100.0	1000	100.0
1 200	4.66	4.66		100.0	100.0	-	10000	100.0	-	100.0	100.	100	100.0	-	0.001	100.0
82	99.4	4	100.0	100.0	100.0	_	-	100.0	-	100.0	100.	100		10000	10000	1000
٨١	966	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINTS HAMAII

HOURS (LS T.)

-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) 24 23 27% 22 21% 21% 21% 21% 28 28 28 28 28 4 68 4 68 4 68 4 68 4 68
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
*** A S2 *** S2 *** S1% S1% S2 *** S8
(≥ 3 ≥ 2% ≥ 2 2 3 2 3 2 2 2 2 2
4 68.4 79.4 7
4 68 4 68 4 68 4 68 4 68 4 68 4 68 4 68
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
73 ≥ 3 ≥ 2½ ≥ 2 ≥ 1½ ≥ 1½ ≥ 1 ≥ ½ 5 € 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
4 68 4 68 4 68 4 68 4 68 4 68 4 68 4 68
visibility (STATUTE MILES) -4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
** A 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4
4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.
*** **********************************
4 68.4 68.4 68.4 68.4 68.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79
23 22 22 24 79 4 79 4 79 4 79 4 79 4 79 4
23 22 24 4 68 4 68 4 68 4 68 4 68 4 68 4 79 4 79 4 79 4 79 4 79 4 79 4 79 4 7
23 22 24 4 68 4 68 4 68 4 68 4 68 4 68 4 79 4 79 4 79 4 79 4 79 4 79 4 79 4 7
23 22 24 4 68 4 68 4 68 4 68 4 68 4 68 4 79 4 79 4 79 4 79 4 79 4 79 4 79 4 7
23 22 22 24 79 4 79 4 79 4 79 4 79 4 79 4
23 22 22 24 79 4 79 4 79 4 79 4 79 4 79 4
23
23 22% 4 68 4 68 4 68 4 68 4 79 4 79 4 79 4 79 4 79 4 79 4 79 4 7
1
4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
444400000000000000000000000000000000000
_ · · · · · · · ·
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
4HLH4H0 UNU UNU 0
99999999999999999999999999999999999999
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
V
┡╌┵╌╂╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼╌┼
CELLING CELL
C C C C C C C C C C
9 1 111 111 111 111 111 111 111 111 111

0

TOTAL NUMBER OF OBSERVATIONS

888

CEILING VERSUS VISIBILITY

				PERCE (PERCENTAGE (FROM	_	-	OF SERV	CCUI	OCCURRENCE ATIONS)	ш				HOUSTES	F.:
CEILING							VIS	VISIBILITY (STATUTE	ATUTE MILES	.ES)						
(PEET)	9	Ø Al	N AI	4	N AI	7 2%	1 2	7 1%	2 1%	Ā	% AI	* 1	Z X	≥ 5/16	74	AI .
NO CEILING	59.4			60.0	60.0	.09	0.09	60.0	60.09	0.09		60.0	60.09	60.09	60.09	9.
	-	72.3	72.3	72.3	72.	1	22.	72.3	72.3	72.	72.3		72.3			-
N 16000	71.0		-	72.3	72.	72.	72.	72.3	4	12.				72.3		-
1 14000	71.0		•	72.9	72.9	72.	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
	13.0			3 6		7,5	4			7:	_	•		76.0	•	-
000	100		76.1	9		76.1		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	7
	75.5			76.	76.	76.	76	76.		76.	76.			76.8	76.8	
2 7000	75.5			76.	76.	76.		76.	76.8	76.	76.	•		76.8	.0	1
0009 4	76.1			1.	77.		7	77.	77.4			77.4	•	-	77.4	
1	80.7			81.	81.		8	8	81.9	8	8		•	8	-	
4500	89.1			91.	6	91.	6	91.	•		16			91.0	0.16	
- 1	92.9			94.	94.	74.	96	900		94.	4		•	74.		1
380	0 00			2.40	2 0	, o		200	24.6		95.50	98.8	98.8	94.4	95.5	
1	97.6			98	98	98	98	98		98	98			98.	98	
7000	98.1			66	66	.66	66	99.		99.	66			99.		
	98.1			99.	66	99.	66	66	66	.66	66	66		99.	99.	2
1500	98.1		4.66		100	100	100	-	100.001	00	-	100.0	-	100	00	301
1200	98.1		4.66	4.66	-	100	~	100	00	0.00	100	100.0	1000	100	8	
	98.1		4.66	•	100	100	100.0	100	00	100.0	00	100	9	-	0	
88	200		4.66		100	100	100.0	10001	000	100.0	0.001	100	000	9	9	33
	0 0		900	000	000	000	001	3 0		1000	100.00		100	100	200	
8 8	98		9.66	99.4	100	100.0	100	0100	100	100.0	100	100	0	00	0	010
	98.1		4.66		100	100.0	100.0	0		0	100	100.0	00	00	8	010
N 40	98.1		4.66	4.66	100.0	100.0	100.0	0		0	100	100.0	9	100.	-	ğ
88	98.1		4.66	6	001	100	100.0	0	00	0100.0	100.0		0	•	100.0	2
	200		49.6	4000	00	0001	0.001	0000	00	9 4	900	000	3	0000		
8 0	98.1	99.4	99.4	99.	100.00	100.0	100.0	100.0	100	0100	100.0	100.0	100	100.0	100.0	ğ

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT TANKELL

....

5703 CEILING VERSUS VISIBILITY JAN 68

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

91.6 91.6 2.3 91.6 99.4/100.0/100.0/100.0/100.0/100.0/100.0/100.0/100.0/100.0/100.0/100.0/ 80. 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. ٨١ 91.6 72.3 9106 9116 66.5 4.16 7.86 7.86 72.3 13.6 92.9 98.7 98.7 80.7 73.6 91.6 91.6 9116 97.4 97.4 97.4 12.3 80.7 92.9 2 5/16 91.6 73.6 91.6 91.6 92.9 7.86 7.86 AI 91.6 91.6 98.7 * 9116 91.6 51.6 91.6 91.6 92.9 97.4 97.4 97.4 97.4 97.4 97.4 97.4 98.7 98.7 AI 91.6 66.5 91.6 51.6 92.9 92.9 80.7 98.7 98.7 Al VISIBILITY (STATUTE MILES) 0.69 91.6 72.3 73.6 91.6 9119 91.6 66.5 73.6 72.3 72.3 98.7 98.7 98.7 73.6 80.7 98.7 98.7 91.6 73.6 91.6 60.5 73.6 0.69 73.6 73.6 91.0 92.9 51.6 5665 566.5 0.69 91.6 73.6 91.6 91.6 92.9 98.7 72.3 73.6 66.5 67.1 AI 73.6 91.6 91.6 69.0 73.6 66.5 98.7 66.5 98.7 1 2% 0.69 91.6 51.6 91.6 91.6 73.6 92.9 98.7 98.7 N Al 4.66 73.6 91.6 80.7 91.6 91.6 97.4 90.66 7.86 4.66 4.66 51.6 98.7 4.66 4.66 72.3 AI 0.69 51.6 91.6 4.66 4.66 4.66 66.5 6.26 4.66 98.7 4.66 4.66 7.86 4.66 VI VI 91.6 91.6 4.16 0.69 91.6 73.6 73.6 72.3 73.6 51.6 80.7 92.9 7.86 98.7 7.86 7.86 98.7 98.7 98.7 98.7 98.7 72.3 98.7 98.7 6 . 7 72.9 0.16 21.6 72.9 11.6 61.0 68.4 71.0 98.1 1.86 92.3 98.1 98.1 98.1 98.1 98. 98.1 98.1 98. 9 6 NO CEILING (FEET) VI VI 0009 1 VI 12000 9000 2000 4500 4000 3000 2500 1500 1200 ¥ 20000 2000 88 88 88 88 80 AI AI AI AI ALAI AI AI AI AI ALAL AI AI AI AI ALAI AI AI AI AI ALAI AI AI

0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

BARBERS POINT, HAWAII

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT HAMAI

NO CEILING

> 20000 VI VI 0008 1 VI 0009 Y 1400

2000

2000

AI AI

4500 4000

3200

2500

1800

AI AI

1200

ALAI

88

ALAI

88

AI AI

88

(FEET)

							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)							
	VI 5	9	\$ AI	AI AI	e Al	₹ 2%	2 2	٧١ ٧	7 1 %	1 %	% Al	* 11	Z AI	≥ 5/16	* *	AI	
10	55.5	5 55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55	5 55.	20.4
	1:	4 .	1	7	=	=	7	=	-	-	=	=	1	=	-	=	10
			71.6	77	71.	71.	7.	7.	-	7	7	7.	71.	71.	7	7	0
	2	72.	-	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	72.	~
	*		-	74.	74.	74.	76.	74.	74.	74.	74.	74.	74.	74.	74.	76.	8
	3		-	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.	74.	7	8
			-	75.	75.	75.	750	75.	75.	75.	75.	73.	75.	75.	75.		-
	.0	76.	-	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.		8
		-	-	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.	76.		8
	8	78.	-	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.		7
	-	00	80	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.		3
			0.	94.	96	94.	94.	. 46	94.	94.	94.	94.	. 76	94.	94.		2
	•	94.	2	94.	94.	94.	94.	94.	96	94.	94	. 46	94.	94.	96	- 1	2
	;	94.	0	94.	94.	94.	94.	. 46	94	94.	. 46	94.	94.	94.	94.		4
	;		•	94.	96	94.	94.	94.	94.	94.	94.	94.	94.	94.	94.		8
		98.	5	98.	98.	98.	98.	98.	98.7	98.	98.	98.	98	98	98	. 86	-
	0	0100.0	10	100	100	100.	1000	100	100	100	100	100.	100	100	100	-	0
		0100.0	100.0	100	100	100	100		100	100	100.0	100.	100	100.0	100	0100	0
	00	100.	100.0	100	100	00	-		100	100	100.	100	100.	100.	100	-	0
	-	0100.0	100.0	100	-	100.0	100.0	~	-	100.0	100.0	100	100.0	~	100	0100	0
	1000	0100.0	100	100.0	100.0	00			100.	100.	100.	-	100	100	100	1000	0
	-	0100.0	100.0	100.0	100.0	100.0	100.0		100.0	~	100	100	100	100	100	0100	0
	0	-	100.0	100.0	100.	4	10000	100.0	100	100	-	-	100.0	100.0	100	0100	0
ĺ										•			-				

TOTAL NUMBER OF OBSERVATIONS

0

155

00.0100

00.0100

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,0100,

NAVWEASERVCOM

80

AI AI

88

AI AI

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

BARBERS POINT, HAWALL

20 HOURS (1 S T.)

....

	0	w 4	*	90	7	0	9		.2	.2	.2	5	.5	8	-	-	0	0	0	0	0	0	0	•	0	0	0	0	0		00
	Al	57	77	77	78	80	82	82	83	83	83	84	9.5	96	96		Õ	100	9	100	~	9	2	-	-	807	2	9	~	-	001
	7/	7.4	7.4	7.4	8.1	0.0	5.6	2.6	3.2	3.2	3.2	4.5	5.5	6.9	8.1			0.0		0.0	•		•	0	•	0.0	•	0:0	•	0	000
	A!	270	1	-	-			8	2 8	2 8	2 8	8	6	8	6 1	6 1	010	0100	0100	0100	0100	-	-	070	-	010	010		070	010	0100
	5/16	0	7.		8.	ò	2	12.	3	83.	63.	84.	95.	.9		98.	0	0		0	•	0		0	0	0		0	0	0	000
	Al	W 4	*	*	-	0		9		2	2		5			-		010	0.0	0	010	010		0.0	010	010		010		070	010
	N N	70	77.	1	78.		82.		83		83.	84.	95.	96	98	98	100	00	100			00	100	807	8	8	8	8	8	9	000
		w 4	*	4	-	0	0	9	~	.2	.2	5	50			-	10.	0	0	0				8		0	0	0	0	0	00
	* AI	57	11	2		80	85		83		83		95		86		00	100		100		8	8		8	8	8	8	8	8	100
	%	w 4	4	3.	7.	0	0		•	.2	.2		.5			-	0	0	0	0	0		•	0		0		0	0	0	00
	Al	55	17	7			82		83	83	83	84	98	96	86	86	100	100	100	100	-	2		0		200		001	0	001	200
	-	6.7	4.7	4.	3.1	0:0	9.2	9.0	3.5	3.2	3.2	4.5	5.5	6.8	8.1	8.1	0	0		0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	:	•	000
LES)	۸۱	2,	7	-	7	8		80	8	80	8	0	6	0	0	0	100	100	100	100	10	10	01	10	10	10	010	10	10	0	0100
VISIBILITY (STATUTE MILES)	7.7	70.3	7.4	7.4	78.1	0.0	2.6	2.6		3.2	3.2	4.5	3.		98.1		0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	000
STATU	Al	1 2 2	4	7	7	8		9	8	2	2 8	2	5		1 9	6	0100	010	0100	0100	0100	010	-	3	0100	010	0100	9	010	010	910
LITY (71 %	10		1	. 8	•	82.	12.	83.	83.	83.	84.		•	.86	98.	0	0		.00	00	0		00	•	00		00	00	00	000
VISIBI		W 4	3	3	-	8		9		2		S		00	-	-	010	-	010	0	6	010	3	0	5	0	8	0	6	0	200
	Al	70.	77.	77.	78.	80	82.	82.	83.		83.		95.	96	98.	98.	00	00	100	100	00	00	00	00	100	00	100	00	00	00	00.0100
	2	w 4	4	3	7	0	0	0	2	2.	.2	5	50	8	7			6	0	9	6	-	~	0	5	9	6	0	8	6	00
	2 2%	25	77	77	7	80	82	82	83	83	83	48	95	96	98	98	001	100	100	100	100	00	8	8	001	8	100	001	100	001	100
	6	6 4	4			0	•		.2		1.2				1.1			0	0	9	0	0	0	0	0	0	0	0	0	0	00
	ΑI	55	77	77	78	80	82	82	63	8	83	84			86	98	100	-	100	100	100	100	100	100	100	100	100	100	100	-	.0100
	*	7.4	4.7	7.4	8.1	0.0		2.6	3.2	3.2		4.5		6.8	8.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		0.0
	٨١	~	-	-	-	8	00	00	8	00	8	8	0	0	86		=	0100	=	7	10	100	200	100	010	010	010	10		0010	0010
	8	.3 70.3	7.	7.4	1.8	0	2.0	2.6	3.5	3.	3.	*	5	9.9	8.	.8	000	00	0	0.0	0	0.0	000	0			•				000
		W 4	4	1	1	0	•	9	2	2	2	80	6	8	1 9	5 1	010	010	010	010	010	010	010	010	010	010	0100	010	010	0	010
	۸I	70.	77	11:	78.	80.	82.	82.	m	m			95.	•	98.	98.	.00	00	.00	00	00	00	0100.0	00	00	00	00	00	00	00	000
			1			O	•	9	~	7	7	5	n	8	1	-		0100				0	50	10	10.	10	6	10	0	9	99
	5 7	70.3	7	77	78.	80	82	82	83	83	63	84	95	96	98	96	00	100	100	00	100	00	100	00	100.010001	00	100.0100.0100	00	00	00	100.0100.0100.
0		9 0									0	•	0											1				1		- 1	1
CEILING	(FEET)	NO CEILING	18000		14000		10000			7000	1	2000		4000		3000	2500	1	1800	- 1	1200	- 1	8		700		900		300		80
0		오 ^1	٨١	^1	٨١	^1	٨١	^1	٨١	AI	_^'	AI	٨١	٨١	٨١	۸۱	٨١	۸۱	٨١	^	ΑI		٨١	^'	^1	۸I	٨١	۸۱	Al	^1	AI AI

TOTAL NUMBER OF OBSERVATIONS

155

HOURS (EST.)

BBRB

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING								VISIBILITY (STATUTE	Y (STAT	UTE MILES	8										
(FEET)	2 1	o Al	52	1	E 4	Y 2%	1 2	AI	%	71 7	Ā	AI	*	*	Ai	2	2 5/16	Al	2	AI	
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.	7 73	1 73	10	73.6	73.	21	10	73.	1 13	0.	73.	1 73	9 5	73.	9
1	78.7	5.	78.7	78.7	78.7		6:		-		78	-					78	25	-		100
14000	78.7	78.7	78.7	78.7	78.7	8.	3 78	7 78		78.7	7.8	F-10			7 78	-	78		-	2.0	3- 60
9000	83.2	83.2	83.2	83.2	83.2		2 83.	2 83	2.5			22	3.2				83.	83	20	83.	
V V 8000	83.9	83.9	83.9	83.9	83.9		9 83	9 83		83.9	83.		3.9		9 83	0.0			0.0	83.	
9 600 AI AI	83.9	83.9	83.9	83.9	83.9			9 83	0.0	m m	83	00	9.0	83.	100 30	0.0			0.0	83.	
4500	96-1	96.1	96.1	96.1	96.1	96.	1 96	1.00	7.4		96.	99	1.0	96.		-:		00	- 4	96	
3000	97.4	97.4	97.4	97.4	97.4	99	4 97	1 90	31	97.4	97.	96	7.4	98.	4 9 9 7	*	99.	1 97	*	98	
2800	100.0100.0100	0000	0000	0.001	100.0		0010	0100	555	0000	1001	0100	000	000	0010	000	888	0010	200	888	999
VI VIVI	100.0	0000	900	0000	1000	100	00100	333	355		100	900	000	000	0010	555	800	0100	999	900	900
8 8 AIAI	100.0100.0100	00.00	00				-		55		100		00.00		0100		000	0010	00	000	7 9
88 8	100.0	100.0100.010 100.0100.010	0.00	100.0	100.0	100.	0100	0100	555	0000	100	010	000	000	0000	999	000	0010	999	000	-
8 8 8	100.0100.0100	000			000	•	000		995			000		800	0010		000	9000	995	988	-
80	1000	00.00		100	100	00		0100	5	00		-		0	010		88	001	6		1 -
	100.0	0000	0000	0.001	0000	001	0010	2010	000	000	001	010	200	9	3	3	9	2010	100	3	쐿

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....

			7	-	N	0	00	0	N	-	-	in	3	*	-	•	5	~	9	20	0	0	0	0	O	0	0	0	0	0	O	0	0
	٨١	.99		-01	76.	76.	78.	80.0	80.	81.	81.	81.	84.	94.4	95.	95.		99.	99.	99.	00	00	00	00	00	00		00	00	00	00	00	00
	7	6.9	4	1.0	•	6.9		0.0		1.1	101	1.5	4.4	4.4	5.7	5.9		9.3	8.6	8.6	0.01	10.	0	1000	:	0.01	0.01	10.0	0.01	0.01	10.0	0.0	0.0
	AI .	9	-	-		7	7	0 80	80	8	8	8	80	6 4		6 6	0	0	8	0	10	0100	0010	-	-	010	20	010	010	010	010	Š	010
	5/16	99	å.		9	76.	8	80.		81.	31.	81.	4	94.	95.	95.	. 9	.6	66	6	00.	0			0			0	00	00	00	000	00
	AI	0	1	7		0		0		-	-	10	3	*		0			8	80	010		-	-	-	6	-	-	0	0.	6	5	5
	VI %	90	0	0	16	16	78	80	80		81	8		46	95	95	96	66	66	66	100	100	100	100		100				00			001
	*	6.9	+		•	6.9	•	0.0	•	1:1	1.1	1.5	4.4	4 . 4	5.7	8.9				8.6		0.0		0.0		0.0		0.0			0.0	0.0	0
	٨١	9	-	- 1	-		-	8	8	8			œ	0	0		0	0		0		10	010	10	070	010	2	10	ŏ 0	010		010	Ŏ I O
	% Al	.99	4	•.	•			80.	0	81.	-	81.	*	•	5	98.	.0		6			00				00		0	00	0	00	00	00
		0.	1	7.	~	6.			.2	-		5		4.		0.	30		. 8		.01		-	-	-	0.	~	-	.0	-	0	0	0
ES)	Al	99		9	16	16		80	80	81	81	81	84	56	9 5	98	96	66	66	66	100	100	100		100	100	100	100	100	100	100	100	100
TE MIL	11/4	6.9	•		6.2	6.9	•	0.0	0.2	1.1	1.1	1.5	•	4.4	5.7	5.9	6.5		9.6	8.6	0.0		•		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STATU	٨١	91	7	- 1	-	-	-	80	00	8	1 8	8	4	6		6 6	0	0	0	4	010	0100	-	0010	-	010	2	010	010	010	010	010	010
VISIBILITY (STATUTE MILES)	۷۱ ۶۲	.00		0	76.	76.	78.	80.		81.	81.	81.	84.	. 46	95.	95.	96			.66		00		00		00		00	00	00	00	00	00
VISI	2	6.		7		6.		0.		7.	-	5		4.	. 7	6.			. 8		.01	•.	.01			100		100	.01	100	0	100	10
	Al	99	9,	-	-	76	7	80	00	8	8	81		96	95	95	96	66		9	100	10	10	2	-	100	-	-	10	-	100	100	100
	≥ 2%	500		•	•	6.9	8	80.0	0	81.1	31.1	81.5	14.4	4.4		95.9	16.3	6.6		8.66	0	00.00	0	0.00	0	0.00	0	0	0	000	0	000	000
		6	4	-	7	0		0		7	-	N.	3	4	7	5 6			8	6	-	~	-	910	-	910	-	910	-	6	6	6	910
	AI 3	99	0	0	16	16	78	80	80	18	8	81		96	95	95	96	66	66	66	66	66	66	66	66		66		66	66		66	
	4	6.9				6.9	•	0.0	0.2	1.1	1.1	1.5	4.4	4.4	5.7	8.9	6.9	6.9	8.6	9.6	9.8	8.6	•	9.0		9.8	•	60		9.8	•	6.8	
	٨١	9	7	-	-	-	7	00			8	8	4	6 4	7	6		0		0		6 8	6	0	0	0	0	9	0		0	0	
	۸I	.99									8	81.	84.	96	95.											66	.66	66	.66	66	66	66	66
	•	6.5	7	7:5		80.5	3.7	6.6	2.5	1.1	3		. 3	4.4	5.5	5.7	3.4	1.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	90.66	9.6	9.0	9.6
	٨١	9																															
	71	66.	15	3	75	76.	78.	79.	79.	80.1	80.	81.	84.	. 76	95	95.	96	98.	66	66	.66	66	66	66	66	66	66	66	66	66	66	66	66
CEILING	FEET)	CEILING	2000	18000	0000	14000	12000	10000	0006	8000	2000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1500	1200	0001	000	800	200	009	200	400	300	200	8	•
ย	,	ON		۸۱۸		٨١		Al	۸۱	Al	۸Ι	Al	۸۱	٨١	ΛI	Al	٨١	Al	ΑI	٨١	۸I	Al	۸۱	٨١	٨١	۸۱	٨١	Al	٨١	Al	۸۱	٨١	^1

0

0

TOTAL NUMBER OF OBSERVATIONS

1240

HOURS (FS T.)

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

	1	
	1	
	1	
	ĺ	
	ı	
	l	
	l	
	١	
	1	
	1	
	1	
	l	
	1	
	1	S
?	1	=
5	١	2
•	l	5
	1	₹
iel Obsenvalion		TY (STATUTE M
	1	E
2	١	=
5	l	V.
	١	
;	١	
2001		
′	١	
•	ı	
	1	
	١	
,	l	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	

		_	_	-	-	_	_	_	-	-	_	_		_	_	-	-
	0 1	72.7	77.3	78.0	78.0	79.3	80.0	90.0	92.0		99.	99.3	99.3	99.3	00		000
-	7.	7.3		100			0.0	0.0	200		100				0.01	0.0	50
	۸۱	1		7 7 8 7 8 8		0 6 A		96		96	66	3 99.	99	3 99	010	010	010
	≥ 5/16			78.				00	200		99.		99.	99.	000	000	000
	z.	7.3	100	00	0 0	0.0	2.0	200	200	00	0.0	6.6	6.6	6.6	0.0	00	00
-	AI .	7 7	100	78	00	25	00	00	00	966	00	00	3 99	00	010	010	010
	*	72		78.	78	79	80.	86	92	96	99	99	99.	99.	100	100	100
	* <1			78.0		6.6	00	0.0		96.7	99.3	66.3	99.3	9.3		000	00
-	Λ1			,00		S W W	0						20	00	010	010	010
ES)	VI .	72	7.	78	78	79	80			96		00		66		100	100
JTE MILES	2 1%	72.7		8 8		6.62	80.0	000	in		99.3	6.66	99.3	99.3	0.00	000	000
STATUTE	11%	1.	m	00	000	me	OF	0.0	0.0		en :	en r	201 25	191 10	.010	00	50
VISIBILITY	VI .	72	7.	2 8 2	~	7.0	80	00				000	66	66	100	100	99
5	2 2		77.3			79.	80.	90.06	20	96		66	99.	-66	00.00	-00	000
1	2%	7.3	000	000			0	00		- 8	m n	00	m m		6.0	000	55
	Al	7 7		78	-	200	8 8		260		66	00	00	99	0100	010	010
	17	72.				79.		90.	92.		66	00		99.	00	000	00
	•	7.3	100	8 8	0.0	66	0.0	000	2.0	00	60	6.66	6.6	99.3	E 66	60	9.3
	٨١	7 7	100	100	000	<u> </u>	000			00	00	00	00	90	90	00	00
	١٨	72	11	78		79	80	96	92	96	66	66	66	66	66	66	66
	9 11	72.7	77.9		78.0		80.0	90.0		96.0	98.	98.7	98.7	98.7	98.7	98.7	98.7
-				78.0		200 0			0		100	-	10 10	101 10	100	100 100	en en
	71	72	7.	78	78	79.	800	90.0	.26	00	60	97.	97.	97.	100	100	97.
CEILING	(133	O CEILING ≥ 20000	18000	14000	0000	3000	9000	4000	3000	2000	1800	1200	8 8	900	8 8	88	80
E.	-	NO N	NI NI	22	ست	ALAI	ALAI	AIAI	ALAI	a same of	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI

NAVWEASERVCOM

BARBERS PUINT STANGALLE

HOURS (TS.T.)

CEILING VERSUS VISIBILITY

BARBERS PUINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

....

CEILING VERSUS VISIBILITY JAN 68

400

•	114	0	0				2	=								
	0	98.7	.7			0000	0	0000	0	0.00	0	0.00	0	0.00	0	9
1					99.	-	100.0	100	100.0	100	100.0	100	100	100	100	3
	0.96		98.7	99.3	99.3	0	0100.0010	9	0	0	0	100.0010	0	0	0	9
-1				66		100	100	100	100	100	100	100	100	100	100	9
	96.0	1.7	98.7	. 3		0.0	0.0	000	0.0	9	0.0	0.0	0.0	0.0	0.0	9
	6	5	6		3 99.3	100	100	10000	100.00100.001	10	0.0010.0	ŏ	100.0010	ŏ	ŏ	ğ
	6.0	9.7	98.7	9.3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	~	0.0	0.0	3
	š	0	6	•	ě	ŏ	ŏ	10	100	jo	ğ	ŏ	ŏ	10	Š	ğ
	6.0	8.1	7.86	9.3	99.3 99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	0.0	9
			6	0	•	010	OT	10	Š.	10	Š	100	Š	30	100	9
	0.96	8	98.7	9.3	9.3	0.010	9.0	0.0	0	0	0	9.0	0	0	0	3
1	0	0	6 4	6	0	010	010	010	010	010	970	9	970	9	200	9
	96.0	. 8	7.86	9.	6	0	0	0	0	0	0	0	0	0	0	9
	0	6	4		6	010	010	010	010	9	010	010	010	9	010	급
	96.0	8	98.7	2.60	99.3 99.3 99.3 99	00	0	0	00	0	0010.0010.0010.0010.0010.0010.	0	100.0100.0100.0100.0100.001	0	0	d
	0	-	1		0	0	0	0	0	0	0	0	0	0	0	d
	0.96	98	7.86	66	.66	00	00	00	00	00	00	00	00	00	00	g
	0		-		100	0	0	0	10	0	0	0	0	0	10	1
	0.96	98	98.7	66	9.3 99.3	00	00	00	00	9	10.0010.0	00	.0100.0010.	00	00	a
•	0	~		6	3	0	6	0	0	0	0	0	0	0	0	đ
	96	98	98.7	66	3 99.3	00	8	00	00	00	0010-	00	00	00	00	9
	0		.7			0.0	ó	0	0	0	0	0	0	0	0	q
	96.0	98	98.7	66	66	100	001	001	001	001	001	00	001	00	100	9
	0.96			99.3	99.3	0	0	0	0	0	0	0	0	0	0	q
					66	100.0	001	100	100	100	80	100	001	100.0100.001	100	100
	96.0	1.1	98.7	99.3	.7 99.3	0.	.7100.0100.0100.0100.0100.0100.0100.010	.0	.7100.0100.0100.0100.0100.0100.0100.010	.7100.0100.0100.0	.7100.0100.010·	.7100.0100.0100.0	7100.0100.0017	.7100.0	.7100.0100.0100.0100.0100.0100.0100.010	9
				-	6	100	100	100	100	100	100	100	100	100	100	100
	0	0	0								-	-		-		

									1									Γ
CEILING							VIS	VISIBILITY (ST	(STATUTE MI	LES)								
(FEET)	71	9	so Al	4	N N	> 2%	7	۷۱ ۶۲	۷۱ چ	Ä	λl	* ^I	ΛI	ا۸	5/16	٧١	۸ì	
NO CEILING	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.	3 75.	3 75	3 75	6.4	5.3	75.3	7.0	9
≥ 18000		79.3	:			•		6	79	79.	70.		-		6			
		79.3	79.3	79.3		9	0	-	79.	79.	79.			3 7	9	-	79	. 6
≥ 14000		80.0	ò						80	80.	80.	00			0		-	0
N 12000	•	80.7		•		•			80	80.	80.	80		_	-	•	80	7
V 10000		80.7	ò						80.	80	80.	•					00	1.
- 1		80.7	3	9			•		80	80.	80.		_	_	-	•		7
0008 AI		81.3	81.3	81.3	81.3	81.3	81.3		81	81.	81.					81.3	•	-
1 7000		81.3		9		•			81	81.	81.					•	-	7
0009 AI		82.0							82	82,	82.				0			0
> 5000		84.0							84.	84.	84.				0		-	9
		90.7							90.	90.	90.						0	1
× 4000		92.0	2						92	92.	92.		85		0		0	9
> 3500		92.0	2						92.	92.	92.	0 92.		-	0			0
		92.0	2						92.	92.	92.				0	•	0	q
2 2500		96.0							96	96	96				0		0	0
> 2000		98.0				•			98	98.	98.					. •		
7 1800		98.0		•					98.	98.	98.			_		•		1.
1500	•	98.7		•					66	99.	99.			-		-		~
N 1200		98.7	:	•	86.66				66	99.	99.	_		-	•	•	66	3
VI 1000	•	98.7	å	-					100	100	100.	-	-	-	9	-	-	9
00 A1		98.7	å		00.00		ċ		100	100	100	4	4	-	6.		-	0
		98.7			0		0		100	100	100.	-	-	-	9		-	9
		98.7	å		0	0.001	0		100	100	100	-	-	0010	.01	. •	-	0
009		98.7			9		d		100	100.	100.	-	-	-	10	00.00		9
		98.7	i		0		0		100	100.	100	-	-	-	.01		-	0
۱۷ 400		98.7	:	00.00	•	0.00	0		00		100.	0100	-	2	0.01	00 00	100	9
300	98.0	98.7	10.00		00.00		100.0	0	100	100	100	0100	0010	010		0000	100	0
1 200	-	98.7	-	•	0	0	0		100.0	100	100.	-	-	2		0000	100	9
VI 8		98.7	å	0.00	00.00	0.00	100.0	100.0	100.0		100	0100	0100	010.	10.0	0000	100	0
	•	98.7	0000	0.00	00.00	d	0.00	100.0	100.0	9	100.	0100	2	-	10.0	0000	90	9

0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST.)

	1	
2		122117
THOM HOOKE COSENATION		VICIBILITY /CTATITE MILES
LA		V >+!!
Š		
14		
2		
5		
	-	
	1	

2825

CEILING							VIS	SIBILITY (S	VISIBILITY (STATUTE MILES)	LES)								
(FEET)	2 1	۸I	\$5 A1	4	e Al	¥ 21%	N Al	۷۱ ۲۷	¥1 ¥	AI	AI	AI	*	VI Z	Y1 55	5/16	× Al	٨١
NO CEILING	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.	7 58	.7 58	8.7	58.	58	.7	8.7	58.
7,000		_	74.7	74.7	74.7	74.7	74.7	74.7	74.7	76.	7 74	7 7	7	14.	1	1	4.7	16.
≥ 18000		-	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.	7 74.	7 7	1.1	74.7	74,	7	4.7	74.7
1 16000		-	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.	7 74.	7 7	1.1	74.	74	7 7	4.7	76.7
2 14000		-	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.	3 75.	.3 7	5.3	75.3	1 75.	.3 7	5.3	75.3
≥ 12000			76.7	76.7	76.7	76.7	74.7	76.7	76.7	76.	7 76.	7 76	1.9	76.7	76	7 7	6.7	76.7
		78.0	78.0	78.0		78.0	78.0	78.0	78.	78.	0 78.	37. 0	0.8	78.0	78	0	8.0	78.0
000		78.0	78.0		78.0	78.0			1	00	0 78.	-	8.0	78.0		7		78.0
	78.0	78.0	78.0		78.0	8	78.0	78.0	78.		1	7		78.0	78	0.	8.0	78.0
7000		78.0	78.0	78.0	78.0	78.0		78.0	78.0	8	0 78	0 7	8.0	78.0	78	0.		78.0
1		78.0	78.0	78.0	78.0		78.0	78.0	1		0 78.	0 7	8.0	78,0	78	0.	8.0	78.0
2000		80.0	80.0	80.0		80.0		80.0	80.	0	00	80	0.0	80.0	80	8 0		80.0
1			88.0				88.0	88.0		00	00		0.8	88.0	88	_	8.0	88.0
4000		-	89.3			89.3	6	89.3		6	80	0	6.3	89.3	89	3 8	6	89.3
1		-	89.3	89.3	89.3	6		89.3	89.3		3 89		9.3	89.3	68	.3 8		89.2
3000			90.7	7.06	90.7	90.7	0	90.7	0	90.	0		1.0	90.7	1 90	.79		90.7
> 2500	94.7	95.3	95.3	95.3	95.3	95.3	95.3		0		96 0	0.	0.5	96.0	96	6 0	•	96.0
2000	•		98.0		98.7		98.7	99.3	99.3	.66	0	0	9.3	99.3		.3 9	6	99.3
V 1800			98.0	98.0	98.7	98.7	98.7	99.3	99.3		3 99.		6.6	99.3		.3	6.6	99.3
1		-	98.0	98.0	98.7	98.7	98.7	99.3	99.3	.66	€ 66	.3 9	6.6	99.	66	.3	6.6	99.3
2 1200		-	0.86	98.0	98.7	98.7	98.7	99.3	99.3	.66	3 99.	3 9	6.6	99.3	66 8	.3	6.6	99.3
2 1000		-	0.96	98.0	98.7	98.7	98.7	99.3	99.3	.66	3 99.	3 9	6.6	99.3	66	.3 9	6.6	99.3
00 AI			98.0	98.0	98.7	98.7	98.7	99.3	99.3	.66	3 99	.3 9	6.6	99.3	66	.3 9	6.6	66.3
		_	98.0	98.0	98.7	98.7	98.7	99.3	66 .3	.66	3 99.	.3 99	9.3	99.3	66	.3 9	9.3	99.3
		-	0.86	98.0	7.86	98.7	7.86	99.3	66.3	.66	3 99.	.3 99	6.6	99.3	66 1	.3 9	6.6	99.3
009	•	-	98.0	98.0	98.7	98.7	98.7	66.3	99.3	.66	3 99,	3 9	6.3	99.3	66	.3 9	6.6	99.3
200	•	-	98.0		98.7		66.3	100.0	100.0	100	0010	0010	10.	00.00	0010	010	00.00	00
	•	-	98.0	98.0	98.7	98.7	99.3	100.0	100		.0010.	0010	10.	00.00	100	010	å	00.00
38	•	-	98.0	98.0	98.7	98.7	99.3	100.0	100.0	100	.0010.	0010	40.	00.00	100	d	00.00	00
N 30		-	98.0	98.0	98.7	98.7	99.3	100.0	-	100.0	0100	0010	0	100.0	100	.0100	0.0	00.00
8		-	98.0	98.0	98.7		99.3	100.0	100.0	100	.0100	0010	0	100.0	10000	.0100	0.0	00
-		-	98.0	98.0	98.7	98.7	99.3	100.0	100.0	100	0010	010	00.00	100.0	100	0010	0.0	000

TOTAL NUMBER OF OBSERVATIONS

**

CEILING VERSUS VISIBILITY

BARBERS PUINT, HAMAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS'(ES T.)

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT STANDARD I

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST.)

....

CFET	CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3	(FEET)	2 1			AI AI			2 4	×1 ×1	¥1 Y	- AI	¾ Al	* 11	Z AI	2 5/16	AI	O AI
61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3	NO CEILING	42.7	42.7	42.7				42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
18000 61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3	1 20000	4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3		61.3	61.3	6193	6103	6113
12000 62.0 62.0 62.0 62.0 62.0 62.0 62.0	18000	61.3			61.3	-	-	61.3	61.3	61.3	61.3		61.3	61.3	61.3	61.3	61.3
12000 63.3 63.3 63.3 63.3 63.3 63.3 64.7 64.7 64.7 64.7 64.7 64.7 64.7 64.7	14000	62.0	-	62.	62.0	62.0	2	62.0	62.0	62.0	62.0	62.	62.0	62.0	62.0	-	62.0
12000 64,7 64,7 64,7 64,7 64,7 64,7 64,7 64,7		63.3	63.	63.	63.3			63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.	63.3
10000 66.7 66.7 66.7 66.7 66.7 66.7 66.8 68.0 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3			64.	64.	64.7		4	64.7	64.7	64.7	•	64.	64.7	64.7	64.7	9	64.7
9000 67.3 67.3 67.3 67.3 67.2 67.2 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3	(-		66.						_		66.7			66.7			
8000 67.3 68.7 68.7 68.7 68.7 68.7 68.7 68.8 5000 68.0 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3		67.3	67.		67.3			67.3	67.3	67.3	67.3	1	67.3	67.3	67.3	67.3	67.3
7000 57.3 68.7 68.7 68.7 68.7 68.7 69.3	1	67.3	68.		68.7	68.7	68.7		68.7		8	9		68.7		•	68.7
6000 68.0 69.3		67.3				68.7	68.7	68.7	68.7	68.7	68.7	68.	68.7	68.7	68.7	68.7	68.7
5000 69.3 70.7	1	68.0	69	69.3			6		69.3		6	.69	69.3	69.3	6	.69	69.3
4500 82.0 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83		69.3	10	70.7		0		70.7	70.7	70.7	70.7		70.7	70.7		7	70.7
3500 82.0 83.3		82.0	83	83.		3	3.	3.	83.3				83.3	83.3	3.	83.	83.3
3500 82.0 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83		82.0	83.	•		3	3.	83.3	83.3	83.3	83.3	83.3	3.	83.3		83.3	83.3
3000 86.0 87.3 87.3 87.3 87.3 87.3 87.3 87.2 2500 94.7 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0	ł	82.0		83.	3.	3.	3.		3.	3		83.		3.	83.	3.	83.3
2500 94.7 96.0 96.0 96.0 96.0 96.2 2000 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		86.0		87.	7.	7.	7.	87.3	87.3	87.3	87.3	87.3	1:	87.3	87.3	87.3	87.3
2000 96.7 98.7 98.7 98.7 98.7 98.7 98. 1800 96.7 98.7 98.7 98.7 98.7 98.7 98. 1200 96.7 98.7 98.7 98.7 98.7 98.7 98. 1000 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		7.46		96		.9	. 9	. 9	0.96		. 9	96	96.0	96.0		0.96	96.0
1800 96-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98		1.96		•		8	8	98.7	98.7	98.7	98.7				98.7	98.7	98.7
1300 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7		7.86		8		8	98.7	8	98.7	98.7	98.7	98.7	•		98.7
1200 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7	-	7.86		8		98.7	98.7	98.7	98.7	98.7	98.7		8	98.7	98.7
1000 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		95.7							98.7		98.7	98.7	98.7		98.7	98.7	98.7
900 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7						99.3	99.3	99.3	99.3	99.3	86.3	99.3	6	99.3	99.3
800 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7		98				6	99.3	6	99.3		99.3		6	99.3	66.3
700 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7	7.86	•		8.		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.	99.3
600 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		96.7	98.	98.7				6	99.3			.66	86.3	•	.66	99.3	99.3
300 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98			98.	7.86		7.86		99.3		6	80.3		99.3	99.3	0	.66	66.3
200 96-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98			98.	98.7				•	99.3	•	0	100.0	100.0		100	100	100.0
200 96-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98			98.	7.86				6	99.3		0	100	100.0	100.0	100	100	100.0
100 96.7 98.7 98.7 98.7 98.7 98.7 9		-	_	98.7			-	86.3	66.3	6	100.0	1001	100 .0	100.0	-	100 •0	100 0
100 96.7 98.7 98.7 98.7 98.7 9		-	-	98.7		98.7			99.3	6	0	100.	100.0		100	100.0	100.0
2 4 4 4 4 4 4 4 4 4 4 4		-	98.7	98.7		98.7	98.7	99.3	99.3		10000	10000	10000	100.0	10000	10000	100.0
96.7 98.7 98.7 98.7 98.7 9		-	98.7	98.7		98.7	98.7	•	99.3	99.3	100.0	10000	10000	100.0	100.0	100.0	100.0

0 0 0

TOTAL NUMBER OF OBSERVATIONS

HOURS (S T.

....

CEILING VERSUS VISIBILITY

BARBERS POINT, HAMAIL

URRENCE NS)
PERCENTAGE FREQUENCY OF OCCURRENCY (FROM HOURLY OBSERVATIONS)

		•	0	57	47	-	1	0	0	3	40		~	-	14	-	P	-	0	0	0	0	0	0	0	0	-	0	0	0	0
	0 1	51.	:		99	19	.89	9	72.	2		82.7	84.	84.0	86.	96	98.	. 86	00	8	90	00	00	8	00	100	00	100.	00	00	00
		67	L	3 6	-	-	1	0	0	0	10	-	3	0	-	-	-	-	2	5	급	5	7	8	5	5	10	10	5	5	a
	7	:	1.		:	1		3	2	10		2	3	:	3	96		98	00	00	00	0	0	0	0	0	0	0	0	0	a
	Al		9 4	9 6	0	9	0	7	-1	1	-	8	0	00	8	•	6	0	-	2		82	0	20	100	100	100	100	100	100	ğ
	\$/16		99	•		7		3	•	9	,		9		-	-	-		9		9				9	.0	.0		0	0.	9
	VI S	51	2:	3	9	2	69	2	12	15	74	82	84	84	8	96	96	98	00	8	00	8	00	8	00	00	00	8	00	8	9
		m	0	0	-	-	-	9	0	9 0	7	-	9	0	-	-	-	-	9	6	9	é	9	5	9	5	0	9	9	5	9
	VI Z	51.	1		*	1	8	9	vic	2		82.	3	*	90	9	8	8	00	8	00	8	00	8	00	8	00	00	00	8	8
				00	-	7	~		0 0		,,	2	7	-		-	-	-	3	-	5	증	30	-	0	-	30	-	70	3	3
	*	-			:	3		•	,,	1		2	3	:																	•
	ΑI	0	9	9	ŏ	0	0	7	-1	-		8	8	00	8	0	0	86	10	100	100	200	100	200	100	100	100	100	10	100	8
	*	.3	9	20				9	0	9	7		9	0				1.	0		0	0	0	0		0	0	0	0	•	0
	Al	15	1:	4	30	67	68	2	12	35	2	82	84	84	86	96	98	98	00	8	8	8	8	8	100	8	00	8	8	8	8
		10	0 0	> 0	-	-	~	0	0	3 0	7	1	0	0	-	-	-	-	0	5	0	6	0	5	5	5		5	0	6	0
	- AI	-	1.	: 3	3	-	00	d	2	1	1	2	3		9		8		0	00	à	0	0	0	0	0	0	0	o	ò	ò
LES)		~	9.	0 4	0	9	0	7		1	-	8	8	0	8	0	6	0	10	_	10	010	10	2	10	10	10	10	10	50	5
E M	1%		٩	9				+	0		2.5		9		-			-	.0	0	0	•		0			0			:	9
5	Al	3	4	3	5	6	80	2	75	15	77	82	8	84	8	6	98	86	9	8	00	80	00	8	00	00	00	8	0	8	8
15	,	19	4	0 0	-	-	-	9	0	9 6	10	-	9	0	-	1	-	-	9	8	8	2	0	8	8	8	0	6	8	8	C
E I	Y 1%	51.	1	4	9	-		9	25	1	-	82.	1	84.	86	96	8	86	9	0	0	00	00	00	00	00	00	00	00	00	0
VISIBILITY (STATUTE MILES)		6	1	5 6	2	7	2	7	2		10	2	7	-	-	-	-	~	3	-	3	30	-	70	0	70	010	3	10	50	3
>	7		J.					1		3			3		3				0	0	0				.0		•		•		•
	AI .	50	9	9	o	9	0	7	-1	-		80	00	8	œ	0	0	0	9	10	20	~	100	100	-	100	100	100	-	10	9
	21/2	. 3	90					d	00	9	7		9	0					0	•	0	0					.0		0	•	0
	AI	51	3	9	9	5	89	9;	12	15	7	82	8	84	8	96	98	98	0	8	8	8	100	100	8	100	100	100	100	8	8
	-	0	9	0	-	-	~	0	0	9 0	1	1	0	0	-	-	-	-	0	5	0	9	0		0	5	.01	3	0	0	0
	AI N	-	4		3	1	8	9	2	1		2	3	*	9	9	80	86	0	ò	ò	ò	0	ė	00	ò	0	0	0	0	0
		5 1	9		_	9	0					80	8	_	20	0	0	~	10	010	10	010	010	070	-	010	010	010	10	010	10
	•		99		:	3		•	0 0	2			3	0:	9				0.0		0.0		0.0	0	0.0	0.0	0	0	0	0	ä
	۸ı	8	9 3	V III		0	0	7	12	1	7	82	8	8	8	6	6	6	9		ŏ	ĕ	10	20	10	01	100	Š	10	10	9
	_	1	9	9 0	1	3		9	0	9 0	1		_	0		1.		1.	0	0	0	Ö	0		0			O	0	0	0
	۸i	3	2	4	96	29	8	9	75	2	74	32	34	94	86	96	86	98	00	00	00	00	00	8	00	00	00	00	00	00	8
			0 6	5 6	-	m	.7 68.	0	0	3 6		-	0	0	1	-	1	-	3	3	3	3	3	=	3	3	3	3	3	3	3
	٥ ٨١		T .		4	-			•	•		3		84.		.9	8		6	6			6		6		6				6
		80 .			0		89	_		1			1		- 1		- 1		- 1		- 1		- 1								
	10		9		.7			9	0				9	0	. 3		. 3	.3	.0			0	.0		.0			0			9
	Al	3	4	9	3	-	89	25	25	15	2	82	8	84	85	9	97	6	96	6	8	6	9	6	8	98	9	6	98	0	6
			-	_			_	+	-	T	_			-	-	-	1		1		7					-		-		_	7
CEILING	E	CEILING 20000	8	16000	14000	8	900	3	8 8	000	2000	4500	8	3500	8	2500	8	1800	8	1200	8	8	8	8	8	8	8	38	8	8	°
CEIL	E .	NO CE	1 4	1 1	1		AI A		AI A	1	1 11	AI		Al		AI					٨١	AI	AI	AI	۸ı	AI	AI	AI	AI	AI	AI
		ž	L																												

TOTAL NUMBER OF OBSERVATIONS

.0010.00

00.0100.0100.0100.0100.0100.0100.010

66.66

8.66

99.3

6.66

6.66

99.3

66.66

99.3

99.3 99.3

6.66 6.66

66.3

99.3

99.3 99.3

0.96

96.0

96.0

98.7

98.7

96.0

0.96

0.96

0.96

0.96

0.96

96.0

96.0

92.7

7.86

98.7

7.86

98.7

7.86

7.86 99.3

98.7 98.7

1.86

98.7

98.7 98.7

1.86

7.86

7.86

90

91.3

91.3

91.3

91.3 91.3

91.3

91.3

91.3

91.3 91.3 92.7

40.4 91.3 91.3

7.06

90.7 91.3

6 6

92.7

84.0

82.0

91.3

91.3 72.7

91.3

91.3

91.3

92.1

92.7

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWAIT

...

٨١

82.0 64.0 1006 81.3 AI 78.7 80.0 82.0 84.0 7.06 81.3 2 5/16 85.0 84.0 7004 2 AI 7.06 ٨I 7.06 % Al 84.0 82.0 7.06 7.06 78.7 78.7 81.3 81.3 82.0 80.0 AI 85.0 80.0 84.0 78.7 % ٨١ 40.4 84.0

VISIBILITY (STATUTE MILES) 82.0 78.7 90.0 81.3 7 7 82.0 80.0 81.3 82.0 ۸I

78.7 78.7

N Al Al 78.0 78.7 ٨I

AI

2

(FEET)

NO CEILING

V 2000

78.7 80.0 78.7 80.0 78.0

82.0 82.0 81.3 81.3 82.0 82.0 82.0 80.0 78.0 78.7 78.7 81.3 78.7 VI VI 008 008 008 008 1200 2000 2000

91.3 84.0 90.7 91.3 90.7 90.7 84.0 1006

2.06 0.96 84.0 91.3 91.3 92.7 98.7 96.0 98.7 92.0 96.7

4500

3000

AI AI

0

7.86 97.3 2006

2500

7.86 66.3 99.3 99.3

98.7

98.01 61.3

1800

AI AI

98.011

120

AI AI

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00.0100.0100.0100.0100.0100.0100.01

88

AI AI

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 98.01

88

AI AI

88

88

AI AI

80

.00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

TOTAL NUMBER OF OBSERVATIONS

150

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS POINT, HAWAIT

HOURS TES T

	0	70.0			74.	74.	76.0	77.	77.3	77.3	80.	88.7	92.1	92.7	92.7	97.3	98.7	66.3	00.00	000	90	00	00.0	00	00.00	00.00	00.00	000	00.00	00.00	000
	× Al	70.0	-	74.7	74.7	74.7	76.0	77.3	77.3	77.3	80.7	88.7		92.7	92.7	97.3	98.7	E . 66	00.01	00.00	10.00	00.01	00.01	10.00	10.00	00.01	00.01	00.00	10.00	00.01	10.00
	≥ 5/16	70.0	1	74.7	74.7	74.7	76.0	77.3	77.3	77.3	80.7	88.7		92.7	92.7	97.3	98.7	8. 66	00.01	00.00	00.01	00.01	00.01	00.01	00.01	00.00	00.01	00.00	00.00	10.00	00.01
	% Al	70.0	4	14	74.7	74.7	16.0	77.3	77.3	77.3	80.7	88.7	72.7	42.7	92.7	97.3	98.7	66.3	100 0	10001	100.0	10001	100,00	100 001	100.001	100,001	100.001	100.001	100.001	100.001	100.0
	*	70.0	•	74.7	74.7	74.7	76.0	77.3	77.3	77.3	80.7	88.7		92.7		97.3	98.7	66.3	100.0	100.0	100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	% Al	70.0	*	74.7	74.7	74.7		77.3	77.3	77.3	80.7	88.7		92.7	92.7		98.7	66.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
LES)	Ā	70.0	*	74.7	74.7	74.7	76.0	77.3	77.3	77.3	80.7	88.7		92.7	92.7	97.3	98.7	66.3	100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0	10000	1000	100.0	100.0	10000
VISIBILITY (STATUTE MILES)	Y1 71	0.07	4	74.	74.7	74.7	76.0	77.3	3 77.3	77.3	80.7	88.7		92.7	92.7	1 97.3	98.7	1 99.3	100.0	1000.0	10000	100.0	100.0	100.0	10000	1000.0	100.0	100.0	100.0	100.0	100.0
SIBILITY (S	Y1 7/2	0 70.0		7	74.	7 74.	10.0	1	77.	177.	7 80.	88.	1 92.	7 92.	7 92.	3 97.3	7 98.7	3 99.3	0100.0	0100.0	100.0	1000	100.0	10016	100.0	100.0	100.0	100.0	100.0	100.0	100.0
>	٦ ٨	0 70	*	14.	7 74.	7 74.	10	7.		3 77.	7 80.	7 88.		1 92.	7 92.	-	7 98.	3 99.	100	0100.0	0100	3100.0	0010	01100	0010	0100	0100	0100	0100	0100	01000
	2 2%	0 70.	9.	74.	7 74.	7 74.	76.0	3 77	3 77.	7.		. 88		1 92.		3 97.	0	3 99.	0	•	0100.	0100.	0100.	0100	0100.0	0100.0	0100.0	0010	0010	0100.0	0100
	ε Al	0 70.	-	14.	7 74.	7 74.	10.0		3 77.	1.	7 80.	. 88	7 92.	7 92.	7 92.		. 86 /	3 99.	0100.0	0100	0100.0	0100	0100.0	0100	0100.0	0100	0010	0100.0	0010	0100.0	0100.
	AI AI	0 70	- 10	1	7 74.	7 74.	16.	3 77.	3 77.	3 77.	7 80.	7 88.	7 92.	7 92.	7 92.	7 97.	.86 0	1 99.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.	3100.
	N N	10		1 74	7 74.	7 74.	16.	- 10	-	6	-	7 88.	-	-	-	0	0	-	~	•	~	m	7	M	~	100	1	3	~	~	0
	۸I	70			74.	74.	0 76.	1	77.	77.	80.	80	92.	92.	92.	96	98.	98.	99.	99.	66	7 99.	7 99.	7 99.	7 99.	7 99.	66	66	66	99.	99.
	N 2	70					76.																							98.	98.
CEILING	(FEET)	NO CEILING		VI VI 8000 9000 9000 9000 9000	N 14000		VI VI 0000	1	7000	0009 ₹		4500		1 3200		> 2500	THE REAL PROPERTY.	× 1800		1200	1	8 Al		700	% ^I		04 ^1	38	7 200	8	٨١

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

22514

BARBERS POINT, HAWAII

22514

+S-JV SUNON

A LINE

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STA	(STATUTE MILES	(S)						
(FEET)	۷۱ 5	۰ ۸۱	\$ 41	4	E 41	> 2%	7	71 7	VI 7.	- 1	% Al	*	% AI	91/5 ₹	7/ 1	0 1
NO CEILING	61.		41.4	4.19	61.4	4.10	4.19	4.19	4.19	61.4	4.19	61.4	61.4	61.4	61.4	61.4
7 2000	72.	•	2	2	2	2	2	2	2	2	2	2		2		
N 18000	5		?	72.1		5	•	72.1		2	72.1	5	•	72.		72.1
	2		5	72.2		2.		72.2		2	•	2.	2.	72.		72.2
2 14000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0		73.0	3	73.0		73.0	73.0
	+			74.0		4		4		4		*	*	74.		74.0
2 10000	4			74.9	4	4 .			4	4.		. 4		74.	4	74.9
- 1	2		5			5		5	5	5	3	2	5	75.	3	75.4
					•	. 9		9	.9	9		.9	.9	9	;	76.4
> 7000			. 9			9	76.5				.9			9		76.5
	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
> 2000			6		6	6	6	6	6	6	6	6	6	6	6	79.2
	7.		7.		7.	7.		7.	87.6	7.	7.	1.	1.	7.	7.	87.6
V 4000	88.6		6			6	.6	6	6	6	6	6	6	6	6	89.0
	8		6		6	6	6	6	6	6	6	6	6	6	6	89.0
3000			0		0	0		0	0	0	0	0	0	0	0	90.4
	6.46		3			. 9	•	. 9	9					. 9	. 0	96.2
> 2000	. 9		8			8	8	8	8		8			8	8	98.6
× 1800	7.		8	•	48.7	8	•	8.86	98.8	8	8.86	98.8	98.8			98.8
> 1500		•	8		6	6	6		6	6	6		6	6		99.3
2 1200	-		8	99.1		6		6			6			99.3		99.3
V 1000	97.5		6		6	6	6		6	6	6	8.66	6	86.66	6	8.66
006	97.5			66.3	4.66	6	•	6	6	6		6	6	99.8		99.8
008 ×	-	•				6	6		4.66	6	6	8.66	8.66	6	6	99.8
	7.			66.3	•	6			4.66	6		8.66				99.8
009 1	97.5		1.66		4.66	6			1.66	6	0	6	8.66	86.66	6	99.8
	-		•	6		6	6				100.001	100.0	0			1000
N 400	97.5	•		6	66.5	6	99.7		6	•	100.0		100.0	100.0	100.0	100.0
300			99.1	66.3	66.5	99.5			6	100.00	0		0	0	100.0	100.0
ام اد	97.5	•		6	66.5	6	6	6		•	100.0	10001	100.0	100.0	100.0	100.0
VI 85	1.		99.1		•		7.66		99.8	100.0	100.00	10000	100.0	10000	100.0	100.0
0 Al	-	•		66.3	99.5	99.5	1.66	8.66	99.81	0.001	100.0	1000	100.0	10000	10000	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

HOURS (CS T.)

....

5703

CEILING VERSUS VISIBILITY

JAN 68

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE BARBERS POINT, HAWALL

(FROM HOURLY OBSERVATIONS)

74. . 96 94. 96 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00.0100 79. . 16 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00.0100 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 79. 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 00.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 1 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 00.0100 00.01000.010 00.0100 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 6.26 74.8 78.1 79.4 94.2 8.96 74.8 6.8 14 96.8 74.8 78.1 6.26 94.2 4.8 2.46 2.46 74.8 78.7 79.4 79.4 78.1 6.8 81.3 2 5/16 1.84 8.96 94.2 92.9 76.8 2.46 79.4 78.1 2 A 8.96 6.26 74.8 78.7 79.4 94.2 78.1 79.4 2.46 76.8 2.46 74.8 81.3 78.1 * 74.8 74.8 19.4 2.46 76.8 6.76 94.2 94.2 96.8 96.8 79.4 78.7 78.1 78.1 81.3 * 2.76 6.26 94.2 74.8 78.7 79.4 2.76 79.4 81.3 75.1 78.1 <u>-</u> VISIBILITY (STATUTE MILES) 74.8 78.1 4.64 65.6 94.2 94.2 81.3 2. 46 96.8 96.8 96.8 96.8 96.8 96.8 74.8 74.8 76.8 78.7 79.4 78.1 ¥ 1 78.1 79.4 2.46 74.8 74.8 79.4 6.26 94.2 7 7 6.26 7402 74.8 74.8 78.7 4.64 94.2 94.2 74.8 16.8 78.1 94.2 78.1 79.4 81.3 78.1 94.2 78.1 79.4 6.26 2.46 70.3 74.8 76.8 79.4 94.2 78.7 81.3 Y 2% 6.76 74.8 94.5 34.5 78.7 19.4 4.61 94.2 76.8 78.1 78.1 81.3 ۳ ۸۱ 2.46 2.46 74.8 78.1 19.4 65.6 94.2 74.8 74.8 78.7 78.1 79.4 81.3 1 79.4 2.46 34.5 6.26 2.46 81.3 78.1 78.1 VI VI 74.8 4.61 70.3 2.46 78.1 79.4 6.26 8.96 76.8 78.7 81.3 94.2 94.2 74.8 78.1 74.8 74.2 AI 74.8 8.96 34.5 34.2 75.8 79.4 6.76 4.8 78.1 78.1 81.3 94.2 78.7 2 NO CEILING 80 × 20000 18000 12000 2000 1500 88 88 88 CEILING (FEET) 000 000 000 2000 3000 1200 88 888 4500 AI AI AI AI ALAI AI ALAI AI AI AI AI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

155

....

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

BARBERS POINT, HAWAII

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LS.T.)

		7	r	-	-	-	-	4	10	w	0	0	W	0	8	8	80	7	-	3		0	O	0	0	0	O	0	O	0	0	00
	٨١	78	80	80	80.	80	80.	81.	81.	81.	81.	81.	84.	92.	94.	94.	94.	96	98.	.66	.66	00	00	00	00	00	00	00	00	00		98
		7	-	-	-	-	-	~	~	7	0	0	5	0	80	80	80	-	-	3	4	010	010	10	5	10	010	3	-	0	3	56
	VI N	8.	0	.0	80.	80.	0	81.	81.	11.	-	:	. 4	32.	. 5	. 4	. 4	.0	. 8	.66	.66	00	00	0	0	0	0	0	0	0	ò	00
		-	7 8	8	2	-	4	~	9	8	9 8	8	80	6 6	6	6 8	9	6 1	6 1	4	3	010	010	010	010	010	010	010	010	010	010	010
	5/16	8	0	.0		0		-	-		-	-	4.	2.	*	4.	4.	9		6	6	0	0	•	0	0	0	•	•		•	000
	Al	-	8	80	8	80	8	80	00	8				6			-	96		66	6	10	10	100	2	2	9	2	10	-	-	000
	2	8.1		7.1	0	0.7				.3	6.	6.	4.5	2.9	•	•	4.8	6.1	3.7		4:	0.0	00	0.0	•	0.0	0.0	0.0	0.0	0.0	9	000
	ΑI	2	8	8	ĕ		8	80	8	8	8	80			ò	6	6	6	õ	66	66	20	100	100	200	ĕ	201	ŏ	100		ğ	100
	*	7										0				8		-		*	4	0		•		•	0				•	00
	Al	78	80	80		80		81	81	81	81	8	8	92		46	94	96	86	66	66	8	8	8	001	8	00	8	8			88
	•	7	1	1.				3	~	e.	6	0	5	6.	8	œ	8	7		4	4	0	0	0	0	0	0	0	0	0	0	00
	۸۱	78	80		80	80	80	8	8	81	81	81	84	92	46	96	96	96	86	66	66	00	00	00	8	00	00	8	8	8		88
		-	-	-	-	-	-	m	m	3	6	0	N	0	80	00	80	-	-	4	4	0	0	0	3	3	0	8	-	~	6	00
	AI .	78	80	80		80		81.	81	81	81	81	84.	35	76	76	94	96		66		00	00	00		00	00	-		00	00	8
AILES		-	7	1	-	-	-	m	6	6	0		5		8		8	~	~	3		0	10	0	-	0	070	20	10	0	6	000
7 37	71	8	0	00	80.	80.		81.		81.	81.		84.		. 4	4.		9		0	.66	ė	0	0		0	00	0	0	0	0	000
STATE	~··	-	7 8	3 1	2	7	-		3					6	8	5	80	6	4	0	3	010	010	010	010	010	-	-	010	010	3	010
VISIBILITY (STATUTE MILES)	1%	8	0	.0		0		-	-	-	-	-	;	2.		;					6	0	0	0	0	0	0	0		0	0	00
SIBIL	٨١	1	80	80	8	80	8	80			80		00	0		0	0	0	0	0	0	2	10	110	-	10	100	-	-	10	2	25
>	~	8.1		1.0	.0				1 . 3	• 3	1.9	5 . 7	4.5		4.8	4 . 8	4 . 8	6.1	8 . 7	4.6	9.4	0.0	0.0	0.0		0.0	•	0.0	0	0.0	9	0
	ΛI	7	8		80	80			œ		80	8		0		o	6	6	6	6		10	10	100	10		10				0	000
	21/2	-	7.1	1.7						. 3	6.	5.		6.	. 8	. 8	. 8	7:		4.		0.		0.		0	0.0	0.	0.	0.0	0	00
	ΛI	78	8	8	8	80		8	8	8	9	8	8	92	94	94	6	96		66		100	100	100	100	100	100	100	100	100	ŏ	000
		7:	.7	.7	.7		1.					6.							1.	4	4.	0	0	0	0	0	0	0	0	0	0	00
	ΛI	78	80	80	80	80	80	8	8	8	8	8	84	92	94	96	94	96	98		66	8	100	00		100	100	100	80	00	8	88
		-	1				1.			~	6.	6.	3	0.	8	0	00	7		4	3.	0	0	0.		0	0	0	0	0.	0	00
	AI	78	80	80	80	80	80	81	2	8	81	8	84	92	46	96	46	96	86	66	66	8	00	00	00	8	00	8		ŏ	0	88
		-	1.	1.	1.	-	-	3	3	3	0	0	-	•	8	00	00	-	-	3	4	0	0	0	5	5	0	0	6			35
	VI V	8	80.	80	80	80	80	81	8	81		8	8	35	94.	46	36	96	98	66	66	00	00	000	00	0	00	00	0	00	8	000
	-	1	1	7	1	1	-	3	•	9	0	0	8	6		80	80	-	1	4	4	6	0	0	10	0	0	0	70	0	6	0010
	ν Al	8	0	0		0	ò	-	-	-	i	81.	;	2		*				6		ò	ò	0	0	0		0	ò	0	0	00
		-	1	1	1	1	1	3	0	0	6	0	5	0	8	8	8	-	1	1	1	7	7	4	7	3	7	3	7	3	3	010
	9			0	0	0	0	1.	-	-	-	-	*	2.	*	*	*		8	8		6	6	6	6	6		6	6	6	6	66
	AI	+	00	00	00	00	00	100	3	æ	00	00	œ	3	a	0	0	0	0	0	5	0	or .	0	0	0	0	5	0	0	2	2.0
Ö	E	CEILING	20000	8	16000	00	12000	8	0006	8	2000	8	2000	8	4000	8	3000	8	2000	8	1500	90	000	8	8	8	8	9	90	88	8	80
SILING	EE.	CE	7		2		12		8		141	1	S AI		4		8	1	2		2		2		٨١	1			IAI		AI	ALA
		ş				L										_																

TOTAL NUMBER OF OBSERVATIONS

.

3

BARBERS POINTS HAWAIT

22514

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	0 1	12.9	1	7.7	72.6	77.4	19.6	15.2	15.8	5.8	3.5	15.8	36.5	31.6	93.6	93.6	33.6	1.86	00.00	000	000	000	20.0	000	9	000	0.00	000	000	0000	000	0.00
-			4	*	,	3	1	0	100	-	-	8	-	9	9	9	9	1	910	910	70	910	10	5	3	910	20	010	970	910	9	010
	VI 74	72.	1	1	11.	77.	79.	85.	85	88	8	85	86.	91.	93.	93.	93	98	00	00	00	8	00	8	00	00	00	00	00	00	00	00
	5/16	6.	4	*		4	4								9		9	1.	9	9	9	9	0	9	9	9	9	.0	9	10.	0	-
	V)	72	17		77	77	79	85	8	85	8	85	86	91	93	6	93	98	100	100	100	200		200	9	50	100	100	100	100	100	100
	2	6.3	3	*	•	4.	7:0	5.2		8.8	8	8.8	5.5	9.1	3.6	3.6	3.6	3.1	0.0	0.0	0	0	0	0	9	0.0	9	0.0	0.0	0.0	000	0.0
	Al	7.		-	•	-	ř					8	8	0	6	•	6	6	10	ŏ	8	ŏ.	-	٠.	-	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	100
	*	5.9	3		704	7.4	9.4	5.2	3.8	5.8	8.8	5.6	6.3	1.6	3.6	3.6	3.6	8.1	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	٨١	7	7	-	7	1	1	8		8		8	8	0	0	0		6	010	010	010	070	9	9	9	010	010	070	010	010	20	210
	* Al	.2	-	-	1	1	9.	5	8	5	8	5.	9		3.				0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	3	4	4	4	1	8	0	8	8	80	8		6 9	6 9		1 9	010	010	010	30	0	0	010	010	010	010	010	30	010	5
	- AI	72.	1	-	17:	77.	19.	35.	3		85.	35.	86.	91.	93.	93.	3		00	.00	.00	00		00		00	.00	00	00	.00	0	00
WILES)		0	4	4		4	4	0	1 40	æ	00	8	8	0	9	0	•	1	0	010	0	6	3	3	3	8	010	000	0	070	9	3
UTE /	٧١ ٪	72.		1	77	77.	79.	85.	85.	85	85	85.	86.	_	93.	93.	93.	98.	9	8		8	0	8		00	00	00	00	00	00	0
VISIBILITY (STATUTE MILES)	,r	•	3	*	*	4	3	~	00	60	60	60	2	0	0		0		10	10	-	6	0	3	0	3	10	10	10	6	8	2
BILITY	VI %1	72	1	-	11	77.	19	85	85	85	85	85	96	16	93	93	63	98	00	00		é	0	8		8	0	8	0	00	00	è
VISI	~	6	4	4	4.	4	3	2	1 00	00	40	00			9	•	0	1.	.01	10.	0	0	0	0	10.	0	10	20.	0	0	0	3
	AI	72	17	1	77	77	79	85	8	88	8	8	86	1000	93	93	93	96	100	100	100	001	00	001	100	100	100	100	100	100	100	2
	21/2	6.	3	*	4.	4.	*	.2	0	8			.5				9	7.	0			0	0		0	0	0	0.	0	0.	0	Č
	λi	72			7	7	75	8	8	8	8	8	8	6	9	6	9	98	100	100	100	801				801	100	100	100	100	100	100
		6.2	1.4	* . /	7.4	7.4	4.6	5.2	8.8	5.8	8.8	5.6	5.5	9.1	9.6	3.6	3.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0,0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ΑI	7.		-	1	-	4	8		8		80	8	0	9	0	6	6	10	2	ŏ	ğ	100	ŏ.		ŏ	10	100	10	ŏ	10	Š
	4	2.9	-	:	7.4	7.4	9.4	3.2	5.8	8.8	5.8	5.8	6.3	1.6	3.6	3.6	3.6	8.1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	٨١	7	7	3	7	1	1	8	00	-	-	4	-	0	0	0	9	6	0100	010	-	070	000	-	-	010	010	010	010	0100	-	0100
	۶۰ ۸۱	2.		:	7.	7.	6	5	5	15.	13.	5.	.0	1.	3.	33.	13.			•	•	•	•	•	•	•	•	•	•	•	•	•
		6	-		4	-	-	2	-	-			-	9	9	0	9	-	010	010	010	200	010	210	010	910	910	910	010	010	010	010
	٨١	9 72.9 72	1	11:	77.	17.	79.	35.	35.	15.	35	35.	96.	91.	93.	93.	93.	98.	00	00	00	00	0	0	00	è	000	00	00	00	00	000
		•	3	•			4	2	. 40	•	-	00	5	0				-	1	3	7	3	3	3	3	3	7	3	3	4	*1	411
		72.								-		85	86.	91.	93.	93.	93	98	66	66	66	66	66		66	66	66	66	66	66	66	00
		-	+	_		-		-	_	-	_	-	-	-		-		-		-	+	_	+	_	+					_	1	-
CEILING		NO CEILING	3	18000	9	9	12000	0000	8	8000	7000	9	2000	4500	4000	3500	3000	2500	2000	80	200	120	8	88	5	8	8	8	8	8	20	8
	2	0 0	4	=	-	-	-	-				1					100				1				- 1				- 1			

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAMAIL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LES T

....

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	S						
(FEET)	0 1	9	N AI	4	21	≥ 2%	7	VI 7/2	¥1 %1	-	% Al	* 1	Z AI	≥ 5/16	× AI	0 11
NO CEILING	12.4	49.7	69	12.4	69.7	12.4	7.69	69.7	49.7	69.7	49.7	1.69	69.7	69.7	69.7	69.7
	7.56	1					3.		1		٠.		1		3.	
1 4 1	73.6	73.6	73.6	73.6	0 10	, "	0	•								13.0
	74.2	74.2	7			3	3								1	76.
12000	76.8	76.8	76.													7.
1	80.7	100	80	0	0	0	1	0	0		6		0	80.1	6	80.0
000	80.7	100	80.		0	0		0			6		0		6	80.7
1	81.3	81.3	81.	-	-	-	-	1	-	-	-	-				81.3
7000	82.6	82.6	82.			5		2				2	2			82.6
	82.6	82.6	82.			2.	2	2	2	2	2	2	2	2		82.4
2000	83.9	83.9	83			-					14	83.9				63.0
	91.0	91.0	91.	91.0	-	-	1:	-	1		-	-		91.0	-	91.0
1 4 1	92.3	92.9	92.	2		2		92.9	2		2	92.9				92.0
	92.9	93.6	93.		3.	3			3		3	3			1	93.6
3000	93.6	94.2	94.	;			3		;			3				94.7
	96.8	97.4	97.		7	7	7.	-		7.				1.	-	97.
≥ 2000	98.1	7.86	0							-		98.7		98.7		98.7
N 1800	98.1	98.7				8		48.7				98.7	98.7	98.7		98.7
	98.7	4.66	-		4.66	6				0	6	4.66		4.66	1.66	99.4
2 1200	98.7	4.66	100		4.66	0		0				4.66		4.66	7.66	99.4
1000	98.7	4.66	- 1	4.66	4.66					0		4.66	00.00	100.00	100.001	00.00
00 AI	98.7	4.06	45	4.66	4.66	0		4.66	4.66		4.66	4.66		100.00		0000
	98.7	4.66	-	4.66	4.66	0			4.66	0		4.66	0	0	•	00.00
78	96.7	4.66	-	4.66	4.66			•		4.66	4.66	4.66	00.00	100.00	100 001	00.00
	98.7	4.66	0	4.66	4.66	0	•		4.66	0		99.4	0			00.00
200	98.7	4.66	0		4.66		•		4.66		4.66	4.66		100.00	100.001	00.00
	98.7	4.66	0		4.66		•	4.66	4.66		4.66	99.4		100.00	100.001	00.00
30	98.7	4.66	0	4.66	4.66	4.66	4.66		4.66	_	4.66	4.66	00.00	100.00	00.001	00.00
30	98.7	4.66	0		4.66		•	4.66	4.66	4.66	4.66	4.66		100.01	100.001	00.00
8	98.7	4.66	4.66	4.66	4.66		6	4.66	4.66	4.66	4.66	4.66	00.00	100.00	100.00	00
	7.84	4.66	0	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	40.66	00.00	100.00	100.001	00.00

TOTAL NUMBER OF OBSERVATIONS

HOURS TES T

....

200

CEILING VERSUS VISIBILITY

BARBERS POINT, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	100.01	00.0100	010	
2 10000 WW W 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	100.010	010	010	010
1000 1000 1000 1000 1000 1000	2	000	00	00
V 222 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2	98		
v 000000000000000000000000000000000000	2	00		00
	0	-	000	200
" WH44440000000HP 044440000		00	00	00
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00		00	
VI 000000LLLLL00000000000000000000000000	0	20	00	000
WH 4 4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0	00	00	00
20000000000000000000000000000000000000	0	0 0	00	000
VI 000001-1-1-1-88880000000000000000000000	20	20	01	200
WH4444000 V VID WHE 0	00	0	00	00
1 110000 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0		0 0	000
v 000000000000000000000000000000000000	200	20	0 0	200
WH4441000 V V W W V L O 1 40000	0	00	00	00
1 1 1 2 2 2 2 2 4 7 7 7 7 7 7 8 8 8 8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			00	
v 0000011111100000000000000000000000000	-	100	000	200
WH144N000NNWWHL0	0	00	00	000
V				
	200	20	25	200
	000	00	00	000
# 1 - Haa a a m m m m m m a a a a a a a a a a		000	000	
5 4 00000000000000000000000000000000000		20	2	- =
	0	00	0.0	0.0
17 17 17 17 17 17 17 17 17 17 17 17 17 1	388	000	000	
11000000000000000000000000000000000000	-	4 ~		1 = =
	0	0.0	00	200
	200	000		000
777	-	33		
2				
1 1 1 1 2 2 2 3 3 7 7 7 7 7 7 7 7 8 8 8 8 7 7 7 7 7 7		90		
700	-	4 -	-	-
" WL4441000 UNB WLL 0 L 4 5 0 0 0		20		
1 2 4 5 4 5 4 7 7 7 7 7 7 7 8 8 8 8 6 6 6 6 6 6 6 6 6		88		
		00		-
V 146 2 3 3 4 4 4 4 4 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6		88		
MH44410000000000000000000000000000000000		50	00	-
				•
1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000	86	0 0	000
MN+4+1000NN000110000	50	00	0	500
	• •			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50	ŏŏ	000	000
WHAT				
	0 00 0	m m	00 m	an an
1 0 0 0 0 0 0 C C C C C C C C C C C C C	6	20	00	00
	+		-	+
EILING CEILING CEILING 20000 18000 10000 10000 9000 9000 9000 1300 1300 1000	88	88	88	80
CELLING FEET CELLING CELLING	8	24	88	-
	AI AI	AI AI	AIA	I ALA

TOTAL NUMBER OF OBSERVATIONS

BARBERS POINT, HAWAII

22514 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TT HOURS (1.5.T.)

CERTING			10	101	m	m	0	CC.	0	0	0	O	0	N	0	0	W	N	00	3	7	0	0	0	0	0	U	0	0	0	0	0	0	O
Second S				2.	2.	2	2	*									;	;								0		0						0
TEUNIC (53.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 6		ΛI	0	-	-	-									0	0	0	0	6	0	0	10	2	2	2	2	2	2	10	2	2	2	2	2
TEUNIC (53.9			0	m	1	m	Q.	8	0	0	0	0	0	N	0	0	N	N	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	9
VISINITY CELLING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9					2	2	2	4											9	0	0	0	0									0	2	2
TEUN C 2.0 2.5 2.4 2.3 2.8 2.2 2.1 2.1 2.1 2.1 2.8 2.5 2.6 2.9 6.3.0 6.3		Λ'			-	_	-	-									5	5	5	5	5	-	-	-	-	-	-	-	-	=	=	=	=	=
VISIBILITY CATALUTE MILES) FELIN C C		91		100	101	113	5.		0	0.	•												•			•	•	•	•	•				
TEUNO 2-0 2-5 2-4 2-3 2-2 2-1 3-2 13, 2-13, 2-13, 2-13, 2-13, 2-13, 2-13, 2-13, 2-2 2-13, 2-13, 2-13, 2-2 2-13, 2-13, 2-2 2-13, 2-13, 2-2 2-13, 2-		8	63	72	-				80	30	80	80	80	83		83	94	34	96	66	66	8	00	00		8	8							
VISIBILITY (63.9) 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9		Λ1					-	-														-			_		0	0	0	5	5	5		0
Parity Commune (Structure Autres) Parity Carature (Structure Autres) Parity Carature (Structure Carature		2																						-	•.				•	•			•	:
Signatury (Stratoff Miles) Signatury (Str		ΛI	0	1	7	-	-	-													6													
VISIBILITY (STAUTE MILES) FEET) ZEGUING 63-9 63-9 63-9 63-9 63-9 63-9 63-9 63-9			0	(4)	1	M	0	0	0		0	0	0	N				N	00	4	3	0	0	0	C	0	0	0	O	0	o	0	0	0
NUMBER STORE STO			m	2.	2.	2	2	*	0	0	0	0	0	3	-	3	4		0	6														
CEILING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9		ΛI			-	-	-	-	0	00	8	œ	00	8	0	0	0	0	0	0	0	10							10	20	20	2	2:	2
TEUNING TEU			3	M	m	7	0	80	0								N				4	0	0	0	0	0	0	0	0	0	0	0	0	0
CEILING							2	4	0	0	0	0	0	3		3	4	4	0	0					0	0	0	0						0
TELING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9		٨.,						-													5	-	-	7					~	1	~	3	= :	=
TELING			0				6.	8	0				0				.2	.2	-	_	3	-				0	•	•		•				9
TELING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9		AI	(0)	72	72	2		-	30	30																							100	-
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	(S)																					-	-		_	7	7	7	7	7	7	3	3	7
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	ž	*											•	•			•					•	•	:	•			:	:	:	:	:	:	3
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	5		69	72	72	72	72	74										5	96	66	66	00	0	00			0			0		00	8	8
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	IAI		0	6	2	0	0	30	0	0	0	0	0	~	0		N	N	20	3	3	01	1000	6		200	700	107	0	3	0	3	3	3
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	¥ (6	17	-																						0				6	0				0
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	5	A1	0	7	7	-	-	ř									-						ō											
CERLING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 22% 22% 22% 22% 22.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	ISI	-	0	10	3	1	3	30	0	0			0		O	0	N	N	00	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0
CELLING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9	_			2	1	10	2		ò	1000	1075		0		-	5	. 4	*		6	6	0	0	0					ò	0	ò	0		
ERING FEET) Z 10 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ZCELLING 63.9 63.9 63.9 63.9 63.7 Z0000 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		٨١	0	-	1	-	-	-	00	00	8	00	63	8				0	6	0	0	10		10		10				0	0		20	2
CEILING 63.9 63.9 63.9 63.9 63.9 63.9 63.0 63.0 63.0 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9			0	100	3	3	0	8	0	0	O	0	0	N	0	0	N	~	0	4	4	0	0	0	0	0	0	0	0	C	0	0	0	ণ
TELLING FEET) Z 10 Z 6 Z 5 Z 2 Z 2 Z 2 Z 2 2 2 2 2 2 2 2 2 2 2			60	2	2	C																												
EILING FEET) Z 10 Z 2 2 Z 2 Z 2 Z 2 Z 2 Z 2 Z 2 Z 2 Z 2		\Ai	0	-	-	-	5	٦	20	00	00	80										-	-	150	7	2	10	2	37	2	2	3	=	3
FEET) FEET) FEET) CEILING 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9			6.	w.	.3		6.	8	0	0	0	.0	0	.2	0	3.	.2	.2	8	4	3.	0	0	0	0		0	•	0	0	0	0		9
FILING FEET) ELIGO CELLING 63.9 63.0		0.00		-	2	2	12	4									46	36	96															
EILING FEET) ≥ 10 ≥ 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9																	-	01	~	_		-	-	-	-	-	-			7	1			
EILING FEET) = 10 = 2 6 = 2 5		-	15.																								•	•		:			•	•
EILING FEET) ≥ 10 ≥ 6 ≤ 5 ≤ 5 CEILING 63.9 63.9 63.7 ≤ 20000 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		Al	63	72	72	7	72	74							0	6																		6
EILING FEET) \$\geq 10 \text{EET}\$\rightarrow{\text{FEET}}\$\righta			0	(4)	0	m	0	00	0	0	0	0	0	N	0	0	N	N	8	~	-	4	4	+	3	4	3	*	3	4	3	3	4	4
EILING FEET) CEILING FEET) ZOOOO CEILING FEET) SOOO T2.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 7		40	:		:			:	:	:	:	:	:		:				3		*				6			6						6
FEET) FEET) ZOCOO CELLING		AI.	9	-	-	-	7	-	96	8	8	8	8	8	0	0	6	6	6	6	0	6	6	0	6	6	0	ŏ	0	0	6	6	6	0
EILING FEET) P 10 P 1			0	(0)	-	6	0	00	0	0	0	0	0	~			2	N	80	-	-	-	-	~	-	-	-	-	-	~	-	-	-	-
FEET) FEET) CEILING					1			3	0	0	0	0	0	-			*	+	9			8	8	00	00							60	00	00
FEET) FEET) Z0000 Z0000 T2 18000 T2 16000 T2 17 10000 T2 T2 T2 T2 T2 T2 T2 T2 T2		\A!	9	-	-	-	2	-	8	8	00	30	8	00	0	•	0	3	0	9	0	0	0	6	0	0	0	9	0	0	0	0	0	0
FEET) CELLING FEET) 2 LEET) 2			0	10				00	0	0	0	0	0	2	0	0	~	N	00	-	7	7	7	~	7	7	7	7	7	-	~	7	~	7
EILING FEET) CELLING CELLING CELLING CELLING CELLING COOO COO COO COO COO COO COO COO COO C			-	2	10	10	10	1 4	10	O	O	0	0	m	-	(1)	3	-	4	8	00	00	0	00	200	OC.	00	00	23	83	00	33	8	00
(FEET) C.		٨١	9	-	-	-	-	-	00	co	00	00	20	a	Cr	()	0,	0	0.	O.	C	O.	o.	3	o.	~	0.	5	o,	O.	3	3	-	0.
C C C C C C C C C C	-		9	0	-		-		-	-		-	_	-	-	-	-		-		-		-	6	-		0	0	0	0	-		0	
8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N.	ET	ELL	000	8000	900	400	200	0000	900	3000	700	900	200	4500	400	3500	300	2500	200	180	150	1200	90	8	80	100	ş	8	4	30	8	ŏ	
ž	CEIL	E	0	1																			٨	1 1	A	AI.	1	IAI	A	AI	A	IAI	AI	AI
			ž		L											_				_	_					_								

TOTAL NUMBER OF OBSERVATIONS

. 5.5

	TEARS	OCCURRENCE	ATIONS)
73-77		PERCENTAGE FREQUENCY OF OCCURRENCE	FROM HOURLY OBSERVATIONS)
DINT, HAMALL	ATION NAME	PERCENTAGE	(FROM H
TARBERS POINT			

CEILING							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	LES)								
(1667)	2	41	55 Al	7.1	e VI	> 2%	N N	V1 V	VI 7/2	, , i	AI	AI	*	Z.	≥ 5/16	VI N	AI	0
	3.	75.5		-		30	75.5		75.	75.	5	2	5.5	5	75.	75		5.5
2 20000	d	80.0		0	80.0	0	80.0		80.	00	80	8	•	0	d	8		
N 18000	0	80.7				00			80.7	00	7 80		1.0	80.7	80.	7 80	*	0.7
N 16000	0	80.7			0	80.	•	0	80.		00	00		0	0	8		
	0	80.7		0		80.		0	80.	8	7 80	00		80.1	ò	80	.1 8	0.7
≥ 12000	-	81.3		-	:	81.	:		81.			œ		-	-	œ		
	4	84.5		4	*	84.	. 4	4.	84.	00	တ	00	4.3	84.5	84.	\$ 84	90	4.3
000	4	84.5				84.	84.5	84.5		84.		20			84.	00	w	
		84.5		84.5	84.5	84.	. 4		84.		œ	W .		84.5	84.	9 84	100	4:3
7000	100	85.8				85.		85.8		80	8 85		5.8	5	85.	8 85	80	5.8
1	100	85.8				85.	5	5.	85.	00	80	8	5.8			00	80	5.8
2000		87.1		87.1	87.1	87.	87.1	2	87.		1 87		7.1	-	-	1 87		7:1
	93.6	93.6	93.6	93.6	93.6	0			93.	0	6 9	6 9.	3.6	4	40	6	0	
000		98.8		95.5		98	98.5	95.5	95.5				5.3		95	5 95		5.5
1	98.8	95.8	95.5	95.5	95.5	95	95.	95.	95.	0	0	0	•	95.5		95		5.9
3000		95.5				95.	98	98.5	95.5	0	5 95	6	5.5	3	95.	5 95	9	
		96.8	96.8	96.8	96.8	0	96.8	96.8	96.	0	96 8	.8	8.9		96	96	.8 9	6.8
2000		9. 66			6	99.	99.	6		0	0	6	4.6	6	.66	66 7		
		9.66	4.66	4.66	4.66		0	0	9.66		66 4	4.	4.6	4.66	66	66 4	4	9.4
> 1500		99.4	100.0		100.0	10	100	-		9	10	9	10.0	0.00			2	0.0
		99.66	0	100.0		100.	-	100.0	100.0	10	10	~	.01	0000	100.	0100	10	0.0
1000		99.4	100.0	a		10		100.0	-	9		.0100	10.	0	100.	-	9	0.0
00 A1	98.7	4.66	100.0	100.0	100.0	100	-		-	1000	0100	.0100	.01	0.00	100	0100	010	0.0
		99.4	9	100.0	100.0	100.0	-	100,0	100.0	9	0100	010	10.0	00.0	100.	0010	010	9
		.66	4100.0	100.0	100.0	10	10000	100.0	100.0	10	0100	.010	.0	0.00	100.	0100	010	0.0
009	98.7	99	9	00	0000	00	4		0	9	-	9	10.0		100.	0100		
800		99.4	0	100.0	100.0	10	10	100.0	100.0	-	0100	.010	0.01	0000	100.	0100	010	0.0
	98.7	99.6	0			100.0	100.0	100.0	9		0100	010	10.0	0.00	100	0100	9	0.0
200		4.66	0	100.0	100.0	100.0	100.0	100.0	100.0	-	010	.010	0.0	000	100	0100	010	
	*	1	100.0	100	100.0	000	0000	100	00	9	0000	4.	1000	3	001	0010	9	3
80	00	4.66	100.0	100.0	100.0	100.0	10000	100.0	1000	100.	0100	.0100	0.0	0000	100	0100	010	0.0
	+	4	100.0	000	000	000	100-0	100	90	9	0100	9	1000	9	90	d	3	3

TOTAL NUMBER OF OBSERVATIONS

-

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) BARBERS PUINT 4. LAKA !!

HOURS TEST T

		I	0	-	14	-	17	-	17 18	7 6	IN	00	7	N	M	77	00	4	3	O	0	O	0	0	O	O	O	0	0	0	O	0
	0	5	d		4		1	;	1.	: 5	10		i	3	;	3	;	3		0	0	0	·	3	0	0	0	0	0	0	0	2
	AI	7	•	æ	0	œ	0	0	0	0 0	80	8	0	0	•	0	ŏ	0	0	9	ŏ	9	Ö	9	Š	9	001	3	8	9	ŏ	Č
		-	9	-	P	-	1	In I		2	N	00	m	N	N	N	8	4	4	0	0	0	0	0	0	0	5	3	0	9	0	5
	74		4	0	d	0	1		1.	: "	10	2	2	3	;	4.	•	3		0	0	d	0	đ	0	d	0	0	0	0	0	6
	Al	1	9	80	-	8	8	00 0	0	c a		80	0			0	96	66	66	3	Ŏ	9	ō	9	8	8	001	9	0	9	ŏ	Č
	10	-	0	-	-	-		m 1	7	n n	N	80	m	N	N	N		3	4	0	0	0	0	0	0	0	0	0	0	0	0	6
	5/16		4	0	d	0	1		\$.	* "	10	3	3	3	;	3	;	6	6	0	0	3	·	3	0	3	0	3	0	d	0	2
	Al	~	d	8	8					0 00		80		0	ò	ŏ	6	0	66	90	100	9	00	9	100	8	100	9	100	9	ŏ	d
		-	d	-	-	-	(m	5		7	N	30	m	N	N	N	00	3	3	0	0	a	0	9	0	0	0	0	0	0	0	2
	2	in	9	0	9	0	-		1.	-	S	4	2	3		3		6	66	9	0	d	0	g	ò	9	0	0	0	d	0	d
	AI	-	-				00	00 0	0 4	0 60	00	80	0	0	0	0	ō	0	0	100	100	100	00	9.	801	9	200	100	100	100	801	9
		-	9	-	M	-	~	W. F	7	7	N	00	100	N	N	N		3	4	a	0	0	0	0	0	9	0	0	0	0	0	2
	*	8	9			0	7	i.		* 10	5		2	3	4	3	96	6	66	8	8	0	8	d	ö	d	0	9	0	8	8	d
	AI	~	9	0	8	8	00	00 0	0	0 10	0	8	0	0	0	6	0	0	0	2	2	9	으.	9	8	100	100	2	100	9	20	10
		10	9	-	M	-	~	10	שו	10	N	0	W	N	N	N	00	3	4	q	0	q	0	9	0	9	0	d	0	d	0	9
	\ \AI	5	d	0	d			4 .		* 10						3	96	66	66	8	00	d	8	g	00	8	00	0	00	d	o	d
	,			90	-	8	æ	6	20 40	0 80	00	80	0			1	0	9	0	2	10	10	~ .	3	20	2	-	2	2	10	10	10
		W	9	-	7		m	N	1	00	N	-	w	7	N	7		4	4	9	0	9	0	9	0	9	0	9	0	9	0	-
	AI	10	4	0	- 7	0	-	4	7	4 4	P	2	2	7	4	4	9	0	6	9	0	d	00	d	00	9	0	d	00	ð	0	9
ES		1	3	. 40	8	æ	7	00 0	9 0	0 00	80	80	0	0	0	9	9	9	0	2	10	2	2	9	-	-	10	9	10	3	10	2
VISIBILITY (STATUTE MILES)	4		9	1	7		d	10	4.		2	0	4	4	.2	?		4	*	9	0	9	0	9	0	9	0	9	0	9	0	3
15	71	50					=	\$	4	* 4	5	85	26	76	46	56	96	66	66	8	8	8	8	8	8	8	00	8	8	9	00	9
M	\\\.	-		30	-	-	I	w 6	L					1	5	3	5	5		7	2	=	Ξ.	Ξ	=	7	=	-	~	=	2	-
S	172	.5	9		7		7	· 10	J		N	8		7		7	30	4	3	9	0	9	0	9	0.	9	•	9	0	9	0	9
É	٨١	2	2	80	9	80	3	4	4:	9 8	85	85	8	2	56	56	2	6	66	8	00	8	8	9	8	8	8	8	00	9	00	9
SIBI			I			_	1		I				_		-		_			-	=	\exists	=	=	-	4	=	=	=	E	=	-
5	7		9		7		4	2	1		. 2			7		7		1	4	9	0	3	3	4	0	9		9		4	9	1
	Al	2	4	80				4		2 Q	35	8 8	92	3	36	76	96	66	66	8	00	3	00	3	00	8	00	8	00	3	00	8
		100				-		1		0 0		00	~		N	-	80			7	=	7	5	-	5	7	=	=	=	7	7	7
	21/2]			•	+					1	:	3		3		7		7				7	:	4		7	-	7
	AI	75	8	80	80	80		4		0 00 4 m		65		3	9	3	96	66	66	8	8	9	00	8	8	8	8	8	00	8	8	8
		-	0	~	~	~	-	n 1	4	0 0	1	00	~	~	~	~	80			7	0	3	-	3	5	금	5	긍	3	7	3	7
	6		1		1	:	1	•	Ŧ			•		1	:	3	•	3	:						:				-	1	:	3
	Al	75	9	80			8	8		0 0	85			6	9	6	96	6	66	8	8	8	8	8	00	8	00	8	8	8	8	0
		-	0	7	-	-	-	w .	7	0 0	10	00	1	2	2	2	00	3	4	7	0	3	3	3	6	3	5	긍	5	3	0	2
	4		1		-		1	:	1	:	:		:	1	:	-		3	:	1		1	:	1		7		7	:	1	:	3
	Αł	7	ď	8	8	8	8	00	2	0 0	8	8	6	0	ò	o	ŏ	ŏ	6	9	8	8	8	ð	00	8	00	8	8	8	8	3
		in	0	-	H	~	m			00	12	0	m	~	N	~	00	4	*	3	0	3	3	3	3	3	5	3	8	3	6	5
	40			:	-	:	1		1.	: .	::			3	;	3	;	2	:	4	:	4	ċ	d	ò	1	ċ	4	ò	3	:	2
	AI	~	-	80	80	80.7 80.7 80	0	00 6	0 0	o a	00		0	0	o	0	0	ŏ	0	9	ō	9	õ	9	ō	9	1100.0100	ō	0100	9	0	9
		-	4	-	-	-	-	-		00	20	00	1	~	~	~		4	+	3	0	0	0	0	ô	8	0	3	0	0	0	3
	0		1	6	4		1	:	1.		:		i	1	;	3		3		d	0	4	ò	3	ò	3	ò	d				
	AI	-	0	00	8	00	00	00	20 0	0 0	80	80	0	0	0	0	0	0	ó	9	ō	9	0	9	0	9	0	9	0	9	ō	d
		5	4	1	-	-	d	5	4	00	4 ~		-	~	2	~	-	-	-	7	1	7	=	7	7	7	7	7	1100.	7	1100	1.1
	2		d	0	d	0	1		\$.	: "	1	1	2	1	;	3	•			3		4	*	2	00					٠	•	- 1
	Λſ	-	0	83	00	00	00	00 0	0	0 00	8	00	0	0	0	3	0	0	0	0	0	3	0	0	0	0	00	0	6	0	9	0
			1																	+		+		+	_	+	_	+		+	_	
OZ.	E	Z S	3	18000	8	14000	3	9000	1 8	88	9000	8	4500	3	3500	3	2500	8	1800	8	1200	3	88		88	3	8	3	88	3	8	0
CEILING	FEE	NO CEILING	7 7000								1	- (-		. 1		- 1				1		1								
0		2	NI	AI A	AI	AI A		AI AI	^	II VI	AI	٨١	AI /	M	۸۱ /	11	AI A	AI	AI /	AI	AI /	AI	۸۱۸	1	AI /	AI	AI /	AI	AI /	M	AI /	M
			_		_		_		_			_		_		_		_		_		_		_		_			-	_		

TOTAL NUMBER OF OBSERVATIONS

HOURS ALLE

おおおは

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		101	-	-	1100	0	140	0.4	9 11 1	THE P	0.0	A tot I	- 00	000	00	000	200	00
	0	0	6		10	1 = 1	1::	::.	1	1		00	6	000	600		1:4	124
	٨١	1			7	8 0	000	00 0	00	00						500	500	564
		_							1									
		6			76.2	0.	1	2,1	an i	dian L	0.	9 101		900	000	000	900	94
	7	0		4	10	81				900		60	00	00	00	0	000	00
	Al	10	+-	-		00 0	o oc o	00 00	0	100	00	00		000	000	00	900	00
		01	-	-	IN	0.	INO	0 4	-	-		me	- 00 0	00	00	0	100	60
	5/16																	
		0	25	2	10	1 = :	8 2 2		350	900	96	60	66	200	888		388	223
	A!		7,-	•7		-			10.0	400		0.0	0. 5	===	22	. = :	# 2 2	23
		01	+-	-	N	00-	140	2. 4	an r	M. L	0. 6	mr	200	000	00	0	000	00
	22		1.0						1 0	900	00	00	-				000	-
	Al	-		7	21	00 a									od	0	õõ	ŏğ
		-				-		-	-			-	_==					
	_						1.00			43.		wi			0.0	0.0		
	*	0	0		10					9 00 10		00	00	00		00	00	00
	AI	1	1-	7		00 a	0 00 00	00 0	00	00	00	00	00	00	00	00	00	00
		01	4 -	-	N	0 -	NO	0 4	141	en.	*	MI	- 00	00	00	0.0	0.0	0.0
	*	•		1		•			1	me	: .	: :	: :			•	1:1	: 1
	Al	2	25	7	15	8	000	800	6	00	6	60	60	6 0	6 6	66	600	66
		0		5	M	0 -	100	0.1	BALL	Day L	0.	4 W.	200	0.0	0.0	0.0	00	0.0
	-	0	50		10			:	-	m m m	000	00	00	60	00	00	00	00
3	Al	1	+-	1	-		0000	000	00	000	00	00	00	00	00	00	00	00
VISIBILITY (STATUTE MILES)		-	-	. 1	1 AT .		NO		-	MAR	-0.	400	- 00 0		0.0			00
E	7						81.2											
=		0	0	4	10		+	5 5	4-1	a wa	000	60	00	66	00	60	00	00
5	AI	-	1-	7		00 0	a	- ac a	20	00	20	0.0	00	00	00	00	00	00
ST	-	0	-	-	IN	0 -	NO	0 1	n a	· mr	0 0	mm	- 20 0		0 0	0 0	. 0. 0	00
×	1.72	:	. :				: :	81.	1 :.		::			-	: -			- 1
5	AI	2	12	7	10	200	000	800	00	900	96		66	60	60	66	66	6 3
<u>=</u>																		
N N		9								une			000	000	. 0. 0	. 0. 0	. 0. 0	0.0
	~	0	5				4		h -	99	000	00	000	00	00	0	000	00
	AI	1	+-	-	-1	1 00 0	6 00 0	00 0	900	100	0 0	00	00	00	00	00	00	00
			1		NJ	0-	NO	0 1		ANT	00.0	- m -	- 00 0	0.0	-	D 0	-	0.0
	21/2										_	I _	•	•	• •	•		
	AI	2	40	9	10				9-1	1 10 4	00	66	60	60	00	6	0 0	66
	\\	1-1					w		000	700	000	0.0	0.0	. 0. 0	50	. 0. 0	00	3.0
		0	4 -	-	12	00-	- 20	2 1	0 00	OWL	0.0	1 W L	000	0.0	0 0	00	0.0	0.0
	~	ò				1			1 -	mm	.00	00	60	00		60	00	00
	Al	1		7	10	00 0	0 00 0					00	60	6 0				00
		-	-	-			- 20		-	-			-	- 100 20	- 205 24	- AX A		-
		6				60.	1000				6.							-
	AI	0	-	4	10		-	-	-	n m	.00		60	00	00	00	00	00
	Α,	1	4	7		000	0 00 0	000	0	400	00	00	00	.00	00	.00	00	00
		0	-		N	00.	NO	0	D IC	100	0 .	NI	00 0	00 3	000	3 33 3	क तक व	00 0
	10					• •			•		: -		: :	:		•	1:3	- 1
	Al	2	20	2	0		co a	00 4	77	100	000	60	66	66	0.0	66	660	6 6
						1	1			1		1					1	
		0	-	• •	· N ·	00.	100	0.		W OL L	0	9-14	- 100 -1		004	0.0	000	0
	•	0			.01		4					00	00	00	00	00	00	00
	۸۱	~		7	-	- 00 0	0 00 0	00 0	00	. 00	00	00	00	00	00	00	99.6	00
	-	,	,	,		1	1)			1	1					1	
	2																0.0	
	AI	0	40		10	+			1	D CO C	000	a ac a	000	60 0	00 0	100	D 22	(30)
	\AI	100	1	•		000	- a a	an a	900	400	0.0	00	0.0	0.0	0.0	C. C	100	0.0
		10	1	-		-			1			1						
CEILING	_	CEILING 2000	8	8	88	88	88	22	22	22	20	88	88	88	88	88	88	80
Z	EET	CEILING 20000	18000	8	14000	900	2000	900	450	3000	2500	1500	1200	88	58	24	88	=
=	<u>E</u>				ALAI	_		1					ALAI	ALAL	ALAL	ALAI	ALAL	ALAL
0		오 ^1	A.		A. A.	MIM	ALA	AIAI	AI AI	VIVI	AI AI	AIAI	AIAI	MIM	VIVI	MIM	A. A.	

0

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE

BARBERS POINT & CHANGE

000

LY OBSERVATION

-

2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	26 40 40 40 40 40 40 40 40 40 40 40 40 40	1 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23 24 24 24 24 24 24 24 24 24 24 24 24 24	2 34643411111809	7 2 4 4 4 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7	1 36 6 6 3 8 C L L L B 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 4 6 6 4 6 7 4 6 9 4 8 9 8 9	** 444 44 44 44 44 44 44 44 44 44 44 44	2 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		4 0154545454	. 444444444444444444444444444444444444
24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 4 - 0 mg N + 00 - 4 N - m c	outurn the good	\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6 מ לי לי לי לי לי לי לי	44 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3000 300 300 300	2456447777789		200042000		242042040	mama am 11 am 11 am
14000 15000 15000 10000 77 7 8 7 7 8 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 7 8 7			20 4 2 1 4 2 0 1 2 1 4 2 4 2 4 2 4 2 1 1 1 1 1 1 1 1 1		8 4 4 5 7 4 6 9 4 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	20 12 V 20	77. 77. 77. 77. 77. 77. 77. 77. 77. 77.		80 48 54 50 5	#0 4# W 40 0 - W V	80 48 M400 H	m 0 4 m 10 4 m 0 - 1
1,000 1,	0 mg N + 00 - 4 N - m c	u, u	2 4 2 7 7 7 7 8 9 3 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		0 4 8 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	244777748		2222222	0 4 2 4 4 4 4 4 4 4	0 40 0 40 0 - 4	9 4 9 10 4 9 9 - 9
2500 99 99 99 99 99 99 99 99 99 99 99 99 9	M N + B B - 4 N - M C	4 2 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 4 C C C C C C C C C C C C C C C C C C		44777778				4 4 C C C C C C C C C C C C C C C C C C	*****	******	44 44 4 4 4
10000 177 100000 100000 100000 100000 100000 100000 100000 100000 1000000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000 100000 100000 100000 100000 100000 1000000 100000 100000 100000 100000 1000000 1000000 100000 100000 100000 1000000 1000000 10000000 1000000 1000000 1000000 100000 10000000 1000000 100000000	N+00-4N-MC	77.27.77.77.77.77.77.77.77.77.77.77.77.7	7 7 7 7 8 9 4 8 9 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9		7 2 2 9 1 N				12 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	~ ~ ~ ~ ~ ~ ~	N 4 0 0 - W	14400 40
2500 2500 2500 2500 2500 2500 2500 2500	400 -4N-MC	777-9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	400 - 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		4 2 9 1 2 7 7 7 8 8 6				40.0	400-00	100-0	400 70
2500 2500 2500 2500 2500 2500 2500 2500	80 -4N-MC	77.97.9	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		2 2 1 2 2 2 2 3 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4				78.0	00-00	00 -4	200
2300 2300 2300 2300 2300 2300 2300 2300	0 -4 N - MC	78-1 78 80-5 8 91.2 9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	78.1	0 - 2	+ • •	78.1		78.1	0 - 0 0	0 - 4	9 - 9
2500 40 40 40 40 40 40 40 40 40 40 40 40 4	-40-60	78.1 78 80.5 80 91.2 9	-0000	78.1	- 8		80.3		78.1			
2300 2300 2300 2300 2300 2300 2300 2300	4N-MC	91.2 9	444	91.2	5 8	•	80.5		1		16	3
2300 2300 2300 2300 2300 2300 2300 2300	N-MC	91.2 9	3.1 93.1	91.2					5000	*		
2300 2300 2300 2300 2300 2300 2300 2300		93.1 9	3.1 93.1		16	•	2.16	2.16	91.2		.2 9	. 4
2300 2300 2300 2300 2300 2300 2300 2300	-	-	2 00 2	93.1		•	93.1		93.1	93.1 93	1.19	-
2300 2300 2300 2300 2000 2000 2000 2000	C	93.3 9	D.C. C.C.	93.3	0	.3 93.	93.3	93.3	93.3	93.3 93	1.3 9	
2300 2000 1300 1300 1300 1300 1300 1300	ŀ	94.1 94	1. 94.1	94.1	6	-	94.1		94.1	94.1 94	1 9	3
2000 1300 1300 1300 1300 1300 1300 1300	-	98.1 98	8.1 98.1	98.1	98.2 98	.2 98.	2 98.2	2.86	98.2	98.2 98	7	3.2
2000 2000 2000 2000 2000 2000 2000 200	2	99.3 99	66 4.	7.06	66 4.66	.66 9.	9.66	99.4	7.66	99.4 99	66 90	3.4
200 000 000 000 000 000 000 000 000 000	-	99.5 99	9.5 99.5	8.66	.5 99	. 5 99.	€.66 €	6.66	8.66	99.5	.5 99	
200 200 200 200 200 200 200 200 200 200	-	99.7 91	9.7 99.7	8.66	99.8 99	6	8.66	8.66	8.66	99.8	98 89	3
200 000 200 000 200 000 200 000 200 000	-	99.7 99	8.66 8.6	8.66	99.8	. 8 99.1	8.66	8.66	8.66	99.8	99 B.	8.6
00000		99.8	0	80.0	99.9	0	6.66	6.66	88.9	99.9	1.9 99	5.5
2000		99.8 99	6.66 6.6	6.66	66 6.66	.66 6.	6.66	6.66	6.66	66 6.66	66 60	6.6
0.66 009		99.8 99	6.66 6.6	80.66	66 6 66	. 66 6.	66.6	66.66	66.66	66 6.66	66 50	5.0
0.66 009	-	99.8 9	6.66 6.6	6.66	66 6.66	.66 6.	6.66	16.66	100.001	100-0100	00100	0.0
	-	99.8	6 6.	0000	0	. 66 6.	6.66 6	16.66	•	0.01	10.	9
200 66 005	-5	99.8	9.9 99.9	6.66	99.9100	.0100.	0100-01	100.01	100.001	100.0100	00100	0.0
0.66 007		99.8	6 6	99.9		.0010.	2	100.001	100.001	10.0	5	9
× 300 99.00		. 8	6.66 6.6	6.66	99.9100	.0100	1000.01	100.01	100.001	100.001	10.	0.0
200 99.0		99.8 99	6 6	•	99.9100	.0010	100001	100.001	100.01	100.0100	9	9
5 100 99.0 9	•	99.8 99	6.66 6.6	6.66	99.9100	.0100.	100001	100.001	100.001	100.0100	00100	0.0
99.0	3	0	96 6	4	9.910	3	100001	10000	100.00	100.0100	10100	3

(2)

CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

0

SKY COVER

BARBERS POINT, HAHAII 22514 STATION

0

0

0000

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
0 1 2	1 2	2		3	4	5	9	7	80	٥	0	SKY COVER	088.
12.9 17.4 11.0	17.4 11.0	11.0		11:0 11:6	5.8	80	5.8 6.5	5.8	4.5	3.5	3.2 15.5	4.3	155
11.0 14.2 14.8	14.2 14.8	14.8		7.1	10.3	14.8 7.1 10.3 4.5	3.9	3.9 5.2 7.7 7.1 14.2	7.7	7.1	14.2	4.6	155
6.5 15.5 15.5 6.5 7:1 5.8 3.2 9.0 7.7 9.7 15.5		15.5		6.9	7.1	5.8	3.2	0.6	7.7	4.1	15.5	5.1	155
1.3 9.7 11:0 13.5 9.7 8.4 6.5 5.2 12.3 11.6 11:0		11.0		13.5	4.4	4.8	6.5	5.2	12.3	11.6	11.0	5.4	155
.6 4.5 18.1 10.3 11.6 6.5 4.5 9.0 8.4 13.5 12.9	4.5 18.1	18,1	-	10.3	1106	6.5	4.5	0.6	8.4	13.5	12.9	5.6	155
1.3 5.8 13.5	5.8 13.5	13.5		13.5	4.6	13.5 13.5 8.4 10.3 6.5 8.4	6.5	8.4	4.4		8.4 14.2	5.5	155
6.5 12.3 12.9 16.1 7.7 9.7 4.5 3.9 3.9 5.8 16.8	12.3 12.9	12.9		16.1	7.7	4.5	4.5	3.8	3.9	5.8	16.8	4.7	155
10.3 14.8 11.6	14.8 11.6	11.6		12.3	10.3	11.6 12.3 10.3 7.1 4.5 2.6	4.5	2.6	5.8		4.5 16.1	4.5	155
6.1 11.8 13.6 11.4 8.9 7.3 5.0 6.1 7.5 8.0 14.5 5.0 1240	11.8 13.6	13.6		11.4	8.9	7.3	5.0	6.1	7.5	0.	14.5	5.0	1240

0

SKY COVER

BARBERS POINT, HAWALL 22514 STATION

0 0 0

PERIOD

NONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	NO. OF	141	141	141	141	141	141	141	141		9611
MEAN	SKY COVER	3.6	3	4.8	5.3	5.9	5.4	4:4	8.8		1
	01	8.5	9.2	14.2	14.2	14:0	12.1	12.8			
	6	2.8	3.5	4.3	4.9	7.8	6.6	2.8	5.0		
	80	4.0	4.9	8.5	4.6	11.3	4.0	5.0	0.8		0.4
SKY COVER	7	5.7	8.8	9.2	6.6	8.5	11.3	7.8	2.1		
OF TOTAL	9	2.8	4.4	5.0	7.1	3.6	3.5	3.5	2.8		
Y OF TENTHS	5	5.0	9.9	5.7	4.9	10.6	12.1	5.0	5.0		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	7.8	5.7	5.0	13.5		10.6	12.1	2.0		
PERCENTAG	ю	12.8	6.6	14.2	18.4	10.6 12.8	13.5 10.6 12.1	14.2 12.1	12.8		
	2	15.6	17.0	14.9 14.2	9.2	10.6	12.8	17.0	20.6		
	-	20.6	17.7	13.5	7.1	2.8	7.1	17.7	20.6		4 6.
	0	12.1	9.2	5.7	1.4	.,		2.1	12.8		1.5
HOURS	(L.S.T.)	02	0.5	80	=	14	17	50	23		NLS
n and and	WOW	## ##									TOTALS

0

SKY COVER

BARBERS PUINTS HAWALL 22514 STATION

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	8.4	4.7	5.5	6.3	2.9	5.6	5.3	*:		
	01	17:4	2.6 16.8	7.1 18:1	18.7	18.7	16:1	9.0 6.5 16.1	4.5 14.2		6.5 17.0 5.4
	6	4.5 17.4	2.6	7.1	7.7 18.7	8.4 18.7	10.3	6.9	4.5		6.9
	8	7.1	3.9	4.		11.0	7.1 10.3 10.3 16.1	0.6	3.2		8
KY COVER	7	3.2	4.8	7.7	5.8 10.3 17.4	9.7 11.0	7:1	5.6	3.5		6.9
OF TOTAL S	9	6.9	5.8	6.5	8.8	8.4	4.8	3.5	80.		6.3
OF TENTHS	5	8.8	7.7	9.0 6.5 7.7	5.5		4.6	0.6	6.5		7.9
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	4.	711	6.5	12.9	6.1		14.8			
PERCENTAG	3	12.3	14.2	14.8 12.9 6.5	8.4 10.3 12.9	7.1 13.5 9.7 10.3	7.7 15.5 11.0	11.0 14.8 14.8	13.5 19.4 11.0		11.8 14.1 10.2
	2	16.1 12.3	11.0 16.1 14.2	14.8	4.8	7.1	7:7	11.0	13.5		11.8
	-	14.2	11.0	7.7	3.2	2.6	3.2	7.7	1001		8.2
	0	5.5	6.5	1:3		9.		1.9	2.6		2.3
HOURS	(1.5.7.)	05	0.5	80	=	14	13	20	23		SIN
na de	E NOW	MAR									TOTALS

0

0.0

SKY COVER

SZESIG BARBERS POINT, HAWAIT

0

0

0

:0

000

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
0 1 2 3
4.7 15.3 16.0 15.3 6.0 7.3 6.0 3.3 5.3 7.3 13.3 4.6
7.3 18.0 14.7 12.0 9.3 4.0 5.3 3.3 4.0 4.0 18.0
2.0 10.0 12.0 16.0 9.3 6.7 5.3 6.7 5.3 7.3 17.3 5.3
4.0 8.0 14.0 9.3 14.0 6.7 7.3 10.0 8.7 18.0
1.3 8.7 10.7 14.0 10.0 9.3 8.0 11.3 10.7 16.0 6.2
.7 .7 8.0 11.3 18.0 12.0 5.3 10.7 6.7 8.7 18.0
11.3 14.7 18.7 7.3 8.0 4.7 6.0 6.7 4.7 18.0
4.7 15.3 18:0 12.0 8.0 6.7 6.0 4.0 6.7 4.7 14:0
2.4 9.5 12.5 13.8 10.2 8.6 6.1 6.4 7.0 7.0 16.6 5.3 1200

TO THE STANDARD REGISTER COMPANY

MAY

0

SKY COVER

BARBERS PUINT, HAWALL 22514 STATION

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		PERC	PERCENTAGE FR	F F	EQUEN	CY OF TENTH	S OF TOTAL	SKY COVER			:	TENTHS OF	NO. OF
	•	-	2	9	4	3	9	7	80	٥	9	SKY COVER	OBS.
-	3.2	14.2	2 14.8 14.2 12.3	14.2	12.3	7.7	7.7 6.5	7.1	7.1 8.4 5.2	5,2	6.5	4.4	155
	5.2	4.7	16.8	12.3	13.5	7 16.8 12.3 13.5 7.1 8.4 7.1 7.1	9.4	7.1	7.1	5.8	7:1	4.5	155
-	1.9	5.8	8 12.3 12.3	12.3	4.6	8.4 14.2 5.2 7.1 12.9 9.7 10.3	5.2	7.1	12.9	4.7	10.3	5.5	155
+	9.	1.9		10.3	12.9	3.2 10.3 12.9 10.3 12.3 12.9 14.2 10.3 11.0	12.3	12.9	14.2	10.3	11:0	6.2	155
	9.		3.2	4.5	16.1	3.2 4.5 16.1 15.5 12.3 11.0 10.3 11.0 14.8	12,3	11.0	10.3	11.0	14.8	6.5	155
+	9.		4.5	10.3	10.3	4.5 10.3 10.3 12.9 5.2 13.5 18.1 10.3 14.2	5.2	13.5	18.1	10.3	14.2	6.9	155
	9.	3.2	2 12.3 13.5 14.8	13.5	14.8	4.4	3.6	4.8	4.7		9.0 12.9	5.6	155
+	3.9	4.4	7 18.1 18.7	18.7		8.4 10.3 3.2 7.1 7.1	3.2	7.1	7.1	1.9	1.9 11.6	4.5	155
+													

PHINTED BY THE

2000

3 5 0

SKY COVER

BARBERS POINT, HAWALL

77-57

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	-	150	150	150	150	150	150	150	150		
MEAN	SKY COVER	4.6	4.9	5.5	4.9	9.9	9.2	5.3	4.5		
	01	11.3	6.7	10.0	10.0	14:0	12.0	9.3	0.80		
	٥	2.0	0.0	6.3	12.7	13.3	12.7	16.7	7.3		
	80	0.9	12.7	11.3	16.7	12.7	21.3	6.7	5.3		
SKY COVER	7	7.3	8.0	7.3	12.7	15.3	6.7	7.3	9.3		
OF TOTAL	9	10.7	1.0	10.7	6.7	10.0	4.7	7.3	4.7		
Y OF TENTHS	5	8.0	10.7	8.0	10.0	10.7	5.7	2.0	7.3		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	12.7 12.7 11.3 8.0 10.7 7.3 6.0 2.0 11.3	10.0 11.3 14.0 12.0 10.7 6.7 8.0 12.7 6.0 6.7 4.9	11.3 16.7 10.0 8.0 10.7 7.3 11.3 9.3 10.0	3.3 8.7 19.3 10.0 6.7 12.7 16.7 12.7 10.0	9.3 12.7 10.7 10.0 15.3 12.7 13.3 14.0	8.0 11.3 14.7 6.7 4.7 6.7 21.3 12.7 12.0	12.0 14.0 14.0 2.0 7.3 7.3 6.7 16.7 9.3	14.7 14.0 10.7 7.3 4.7 9.3 5.3 7.3 8.0		
PERCENTAG	6	12.7	14.0	16.7	8.7	6.6	11.3	14.0	14.0		
	2	12.7	11.3	1163	3,3	2.0	8.0	12.0	14.7		
	-	14.7	10.0	4.7			1.3	9.3	14.7		
	0	3,3	2.0	1.			.,	1.3	0.0		
HOURS	(1.5.7.)	20	50	0.8	=	*	11	20	23		919
-	MONIN	NUL									- 101

SKY COVER

BARBERS PUINTS HAWALL

0

NO.

0

0

0

0

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	159	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	3.8	3.6	***	5.5	5.5	5.5	4.5	3.7		8.0 8.9 7.3 4.1 4.5 1240
	10	2.6	3.9	3.2	5.0	3.6	4:5	3.9	5.2		1:4
	6	7.1	5.2	7.1	7.7	6.4	0.6	7.7	2.5		7.3
	80	8.5	5.8	4.	-	14.2		-	8.8		0.
SKY COVER	7	5.8	4.5	9.0	12.3	9.0 14.2	12.9	6.5 11.6	3.9		0.8
OF TOTAL	9		-	6.5	0.6	5.8	4.5	3.9	ten in the second		5.6
OF TENTHS	٧,	5.2 4.5	7.7 4.5		14.2		10.3	6.9	*		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	18.7	10.3	11.0	14.8	12.9	17.4	11.0	0.6		13.6 16.3 13.1 9.5
PERCENTAGE	e	16.8 11.0 18.7	16:1 15.5 10.3	19.4 18.1 11.0 5.2	6.5 18.7 14.8 14.2 9.0 12.3 10.3	8.4 15.5 12.9 18.7	11.6 18.1 17.4 10.3 4.5 12.9 9.0	17.4 18.1 11.0	12.3 15.5 9.0 8.4 5.8		16.3
	~	16.8	16:1	19.4	6.3	8.4	11.6	17.4	12.3		13.6
	-	12.3	14.8	10.3	9.	1.9	5.6	12.9	18.1		9.2
	0	10.3	11.6	1.9				•	11.0		*
HOURS	(LS.T.)	02	50	80	=	14	11	20	23		ALS
n name	WOW I	JUL									TOTALS

SKY COVER

22514 BARBERS POINTS HAWALL

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(LS.T.)	0	-	2	6	4	5	9	7	œ	6	01	SKY COVER	088.
AUG	92	5.2	14.8	19.4	16.8	10.3	5.2	7.6	7.1	6.5	1.3	3.9	8 19.4 16.8 10.3 5.2 9.7 7.1 6.5 1.3 3.9 3.8 155	155
	60	10.3	17.4	13.5	14.2	10.3	7.7	7.7	7.7	2.6	2.6	5.8	\$ 13.5 14.2 10.3 7.7 7.7 7.7 2.6 2.6 5.8 3.7	155
	0.8	9	12.3	14.8	13.5	1106	7.1	6.5	9.0	7.1	11.0	6.5	3 14.8 13.5 11.6 7.1 6.5 9.0 7.1 11.0 6.5 4.9	155
	=		1.3	9.0	18.7	10.3	1100	6.5	14.8	11.0	11.6	5.8	3 9.0 18.7 10.3 11.0 be5 14.8 11.0 11.6 5.8 5.6	155
	14		1.3	7.7	20.6	14.2	13.5	5.2	9.7	0.6	5.8	12.9	3 7.7 20.6 14.2 13.5 5.2 9.7 9.0 5.8 12.9 5.6	155
	11		2.6	13.5	16.8	5 13.5 16.8 14.2 11.6 5.8 6.5 7.7 13.5 7.7	11.6	8.8	6.5	7.7	13.5	7:7	5.4	155
	20		11.0	22.6	10.3	0 22.6 10.3 10.3 8.4 6.5 7.7 7.1 8.4 7.7	8.4	6.5	7.7	7.1	4.8	7:7	4.7	155
	23	9.6	18.7	20.05	12.3	7.7	7.1	7.7	7.1	3.6	3,9	5.5	7 20.6 12.3 7.7 7.1 7.7 7.1 5.8 3.9 5.2 3.9	155
101	TOTALS	2.5	6.6	15.1	15.4	11.1	0.6	7.0	8.7	7.1	7.3	6.9	9 15.1 15.4 11.1 9.0 7.0 8.7 7.1 7.3 6.9 4.7 1240	1240

PRINTED BY THE STANDARD REGISTER

SKY COVER

BARBERS POINT, HAWAIT 22514 STATION

8

0

0

73-77

PERIOD

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TENTHS OF NO. OF	-	3.1 150										
10 SK	1	8.0 4.0 3.3 4.7 3.3 2.0 3.1	• • •	6.1	2.7	2.7	2.7 3.3 4.7	2:7	2.7 2.3 4.0 4.0	4:0	2.7 4.0 4.0 4.0 2.0	2.0 4.0 4.0 5.0 6.0 7.3
	٥	3.3	2.0		4.7	3 17.3 19.3 11.3 6.0 2.7 7.3 8.0 4.7 7 6.7 24.7 22.0 9.3 6.7 7.3 13.3 6.0	17.3 19.3 11.3 6.0 2.7 7.3 8.0 4.7 6.7 24.7 22.0 9.3 6.7 7.3 13.3 6.0 4.7 11.3 18.7 16.7 9.3 8.0 12.7 12.0	7.3 19.3 11.3 6.0 2.7 7.3 8.0 4.7 6.7 24.7 22.0 9.3 6.7 7.3 13.3 6.0 4.7 11.3 18.7 16.7 9.3 8.0 12.7 12.0 8.7 20.0 12.0 14.0 9.3 6.0 13.3 12.7	4.7 6.0 12.0 12.7 3.3	4.7 6.0 12.0 12.7 3.3	12.0 12.0 12.7 2.7 2.7	4.7 6.0 12.0 12.7 2.7
	80	4.7	.7 3.3 7.3 3.3		6.0 2.7 7.3 8.0	13.3	13.3	13.3	8.0 13.3 12.7 13.3 6.0	3 17.3 19.3 11.3 6.0 2.7 7.3 8.0 7 6.7 24.7 22.0 9.3 6.7 7.3 13.3 0 4.7 11.3 18.7 16.7 9.3 8.0 12.7 8.7 20.0 12.0 14.0 9.3 6.0 13.3 7 16.0 20.0 10.7 8.0 8.0 6.0 6.0 0 16.0 16.0 8.0 6.7 4.0 7.3 4.7	13.3	13.3
7		3.3	7.3		7.3	7.3	7.3	8.0	8 6 0 8	8.0 8.0	7.3	7.3 8.0 8.0 7.3
	•	4.0	3.3	2.7	143	6.7	9.3	9.3	9.3	9.3	9.3	6.9 9.3
	40		-	0.9		6.6	9.3	16.7	9.3 16.7 14.0 8.0	9.3 16.7 14.0 8.0	9.3 16.7 14.0 8.0 6.7	9.3 14.0 14.0 8.0 7.3
	4	0 19.3 10.7 8.0	7 20.7 25.3 4.0	11.3		22.0	22.0	22.0	2.0 4.7 11.3 18.7 8.7 20.0 12.0 14.7 16.0 20.0 10.7	22.0 18.7 12.0 10.7 8.0	22.0 18.7 12.0 12.0 8.0	22.0 18.7 12.0 10.7 8.0
	8	10.7	25.3	19.3 17.3 19.3 11.3		24.7	24.7	24.7	20.0	20.0	20.0	20.0 20.0 16.0
	2	19.3	20.7	17.3		6.7	6:7	6:7 4:7 6:7	6:7 4:7 8:7	6:7 4:7 8:7 16:0	6:7 4:7 8:7 16:0 16:0	4:7 4:7 8:7 16:0
	-	28.0	22.7	19.3			2.0	2.0	2.0	25.0	2.0	26.0
	0	8.7	9.3	1.3					1.3	1.3	1.3	1.3
	(L.S.T.)	02	60	80		=	= =	= = =	14 14 17 20 20	20 20 23	11 14 17 20 20 20 23	20 20 23 23
MONTH		SEP										

0

0

0

0

0

0 = 0

SKY COVER

22514 BARBERS POINT, HAWALL

0

0

8

8

0

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS				PERCENTAC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
_	0	-	2	8	4	5	9	7	80	٥	01	SKY COVER	OBS.
02	4.80	26.5	14.8	11.6	7.7	3.9	5.2	5.8	3.2	3.9	9.0	3.6	155
0.5	4.5	27.1	16.1	9.7	9 . 4	7.7	2.6	7.7	7.1	1.3	7.7	3.8	155
0.8	9.	12.9	22.6	14.2	5.00	6.5	5.8	7.1	7.1	1.6	7.7	4.6	155
		3.9	10.3	14.2	10.3 14.2 11.0 14.2	14.2	7.7	7.7 12.3	7.7	0.6	9.7	5,5	155
		1.3	10.3	12.9	10.3 12.9 11.0 13.5 10.3 12.3	13.5	10.3	12.3	11.6	4.1	7:1	5.7	155
		3.2	11.0	11.0 14.8 14.2	14.2	0.6	7.1	9.7	9.7	0.6	12.3	5.6	155
20	2.6	12.9	14.8	16.8	10.3	0.6	3.9	5.8	4.7	5.8	4.8	4.6	155
23	5.8	20.0	17.4 16.8	16.8	3.9	5.2	7.1	7.1	6.5	3.2	7.1	3.9	155
	2.7	2.7 13.5	14.7	14.7 13.9	0.6	9.6	6.2	8	7.8	6.9	9.0	4.7	1240

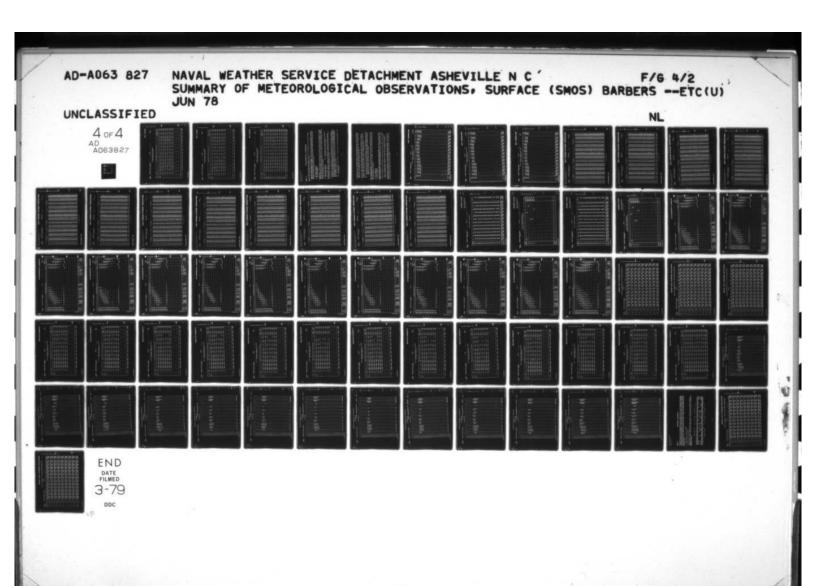
0

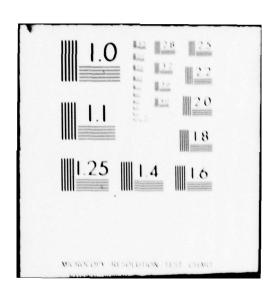
O

0

0

S CONTRACTS SHT YE GSTNING





NON

010

SKY COVER

BARBERS PUINT, HAWALL 22514 STATION

0

0

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 3 4 5 6 7 2 12.7 10.7 10.0 5.7 7.3 6.0 7 12.0 8.0 6.7 12.0 4.7 4.0 0 13.3 12.7 6.7 7.3 5.3 10.0
9 9
9
6.7 10.7 8.7 12.7
6.7 8.7 8.0
12.0 12.0 8.7
15.3 14.7 13.3 10.7
0 12.0 12.0 9.3
_
0 11.3 11.0 8.6

0.0

SKY COVER

BARBERS POINTS HAWAIT 22514

73-77

958100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

.0

0

4

8

1

8

AN TOTAL	- 1	9 155	7 155	.2 155	4.8 155	.4 155	5.0 155	4.1 155	3,7 155	
MEAN	SKY COVER	3 3.9	3 3.7	5 4.2		5 5.4	-			
	01	.0	1.9 10.3	8.4 13.5	5.8 12.3	13.	7.7 14.8	2.6 11.0	3.9 10.3	
	٥	5.2 5.8 10.3		8		12.			-	
æ	80	5.2	8.00	3.2	7.7	7.1 7.1 5.2 7.7 12.3 13.5	5.5	5.8	3.2	
AL SKY COV	7	7.1	3.9	3.9	3.9 7.1	5.2	4.5 10.3	3.2 6.5	4.5	
THS OF TOTA	0	7.7 4.5 7.1	4.5	2.6 3.2 3.9		7.1	4.5		5.8	
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	2		7.7		8.4		3.2	7.7	6.5 10.3 2.6	
GE FREQUE	4	3.2	70.1	4.5	10.3	0.6	7.1	6.5	10.3	
PERCENTA	6	4.5	7.6	14.8 18.1	18.1 13.5 10.3	14.2 16.8	20.0 15.5	16.8 13.5		
	2	12.3	10.3		18.1	14.2	20.0		17.4	
	-	11.6 27.7	9.7 29.0	5.2 22.6	9.7	5,2	10.3	5.2 19.4	7.7 27.7	
	0	11.6	9.7	5.2	3.2	1.9	1.3	5.2	7.7	
HOURS	(LS.T.)	02	0.5	80	=	14	11	20	23	
	MONIN	DEC								

0

4

NO.

0

0

Q

SKY COVER

22514 BARBERS POINTS HAWALL

0

NO

0

0

0

0

0

0

0

0

0

0

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	0.00	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608
MEAN	SKY COVER	5.0	9.4	5.4	5.3	5.5	5.5	4.5	4.7	4.2	4.7	5.3	4.4	4.9
	01	14.5	11.8	17.0	16.6	11:1	10.2	1:4	6.9	3.0	8.6	15.9	12.0	11.0
	٥	8.0	5,3	6.5 17.0	7.0	8,0 11.1	10.0 10.2	7,3	7.3	5.8	6.9	8.5	6.1	7.2
	00	7.5	6.9	8	7.0	11.0		6.8	7.1	8.3	7.8	7.3	5.5	8.1 7.2 11.0
KY COVER	7	1.9	7.9	6.9	4.9	9,3 11:0	9.2 11.6	8.0	8.7	8.9	6.5	7.3	6.1	7.6
OF TOTAL S	0	5.0	2.0	6.3	6.1	7.4	7.7	9.6	7.0	5.9	2.9	5.8	80.4	6.1
OF TENTHS	8	7.3	7.0	7.9	8.6	-	7.9	6.6	9.0	8.7	9.8	8.3	5.9	00
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	6.8	1.6	10.2	10.2	12.1	13.1	13.1	1111	11.8	9.0	8.5	7.3	10.4
PERCENTAGE		11.4	13.3	14.1	13.8 10.2	10.7 12.0 12.1 11.0	12.6 13.1	16.3	15.4	18.4	13.9	11.0	12.3	13.1 13.7 10.4
	2	13.6	14:7	11,8	12.5	10:7	4.6	13.6	15.1	13.7	19.7	11.3	15.5	13.1
	-	11.8	13.4	8.2	9.5	3.6	6.8	9.2	6.6	14.2	2.7 13.5	3.9 12.0	5.7 19.0	11.1
	0	1.9	3.6	2.3	2.4	2.1	1.5	4.4	2.5	3.4	2.7	3.9	5.7	3.6
HOURS	(LS.T.)	ALL												ALS
	MONIN	JAN	FE.8	MAR	APR	MAY	NOF	JUL	AUG	SEP	130	NON	DEC	TOTALS

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- Daily maximum temperature
- Daily minimum temperature . o
 - Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. of daily extreme temperatures are prepared: ä
 - a. Extreme maximum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.

A percentage frequency in this table of ".O" represents one or more occurrences amounting to less

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2) , sums of values (ΣX) , means (X), and standard deviations (σX) . The number of observations used in the computations for each element is also shown. ò
- dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. ပ်

Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not observations recorded during these periods. All values of dew-point temperature and relative reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following: 4
- a. Dry-bulb temperature
- b. Wet-bulb temperature
- . Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus 'he mean relative humidity and total number of observations in two tables.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument. в.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. þ.
- Percentage frequency of occurrence of dry-bulb temperature versus wind direction This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm). 9

DAILY TEMPERATURES

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

BARBERS PUTNING HARPATT

IEMP (-F)	*	8	8.	2.0	-	-	-	i																MEAN	TOTAL	ICIAL CES.
+	-						_		-	-						-								78	5	
JAN		0	10.0			6 66	0	•																.7	000	8 2 8
9		5	40.2			900		*																78.6	200	817
MAR		7.	52.7			80.0		-																79.4	2000	200
1		4.4	48.8	. 80	-	100.0																			4	870
TWW .		12.8	86.1	000		100	-																	81.9	-	200
100	-	28.3	98.3	000	F																				2000	
100	5	46.7	99.7	•																					2	000
300	3.6	60.5	4.66	-	1				-																16303	
361	5.5	64.7	9.66	000	1																				4.633	
3	1.7	45.4	97.7		*																				7 200	
		16.2	84.6	1.00		1000																		82.0		
25.		3.7	54.5	01.0	10	99.9	100																		1000	_
CONNEC	-	23.	76.	0 30		99.9	100																	82.0	2012	10366

DAILY TEMPERATURES

BARBERS POINTANHANALI

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS) 49-77

YEARS

MINIMUM

ANNOAL	0	*:•	52.3	89.8	98.6	8766	100.0															6.94	3.739	10566
ner.		8	23.4	81.2	97.4	6966	100.0															67.7	3.354	668
2		143	25,8	646	99.7	10000																97.09	2.803	869
3	7	843	8049	99.0	10000		4															9.16	2.516	895
7		-	91.6	6.66	100.0																	49.3	9.050	869
AUG.		16.7	95.7	99.9	100.0																	19.54	168	899
JUL		6.8	91.0	6.66	100.0																	V-64	678	980
NO.		2.0	78.3	99.3	100.0																	10.8	200	870
MAY			48.7	97.3	100.0				-													. 07	9 4 6	668
APR			24.4	90.0	40.66	6.66	100.0	-	-														- 1	870
MAR.		4	13.2	72.6	97.9	6.66																	7	899
FEB.		-	0.0	64.2	94.6	6.00	100.0																6.00	819
JAN		1.0	1.41	666.3	94.46	98.6	100.0																000	868
TEMP (PF)	980	7.5	70	6.8	90	2.8	20																MEAN	TOTAL OBS.
1	2 BO																2 2 2							WEAN

0

Q

0

4

0

NAVWEASERVCOM

DAILY TEMPERATURES

BARBERS POINTS HAM AL

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

ANNUAL	11.9 11.9 96.5 96.5 100.0		3.266	****
DEC	38.5		2.456	
NOV	1911		76.0	
	10000		2,004	
SEP	10000		1.729	
AUG.	10000		1,616	220
JUL	25.0 100.0 100.0		1.531	000
NOT.	94.9		1.476	2
MAY	CMC		1.780	44.4
APR	100,00		201.2	200
MAR.	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		73.0	
FEB.			72.2	410
JAN.	19 6 8 1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		2,621	240
TEMP (*F)	20 F 0 9 0		MEAN S.D.	NAVWEASERVEON
		AI AI		NAM

0

N

O

107695

1

0

DAILY AVERAGE/EXTREME TEMPERATURES

'undur

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWAIT

STATION NAME

1949-1977

YEARS

MONTH JANUARY

		DATE	0	1973	1971	9	1949	1971	1971	1949	1970	1970	1949	1970*	1949	1949	1970	1970	*6961	1969	1969	1969	1960	1969	1969	1969	1949	1969	1969	1975*	1971#	1952	1972*	1040
Ь	ME	၁့		13.9			15.6	14.4		12.8	12.8		12.2	15.6	11.1	14.4	13.3	14.4	13.9	13.3	14.4	10.0	14.4	11.1	11.1	12.2	11.1	12.2	11.1	14.4	15.6		13.9	10.0
MINIMON LEWIS	EXTREME	₽°	52	57	9	09	09	58	55	55	5.5	15	24	09	52	28	99	58	57	56	58	20	58	52	55	54	52	54	25	58	09	58	57	43
		o°.	19.0	19.2	19.5	19.1	13.8	19.1	18.9	18.4	18.6	18.9	18.6	18.9	19.1	18.6	19.1	19.1	19.2	19.3	18.7	18.3	18.6	18.0	18.2	18.5		18.2	18.5	17.9	18.7	18.8	18.7	. 01
	AVERAGE	3°	66.2	9.99	67.1	66.3	62.6	66.3	0.99	65.1	65.5	0.09	4.69	0.99	66.3	65.4	66.3	4.00	9.99	4.09	65.7	0.69	65.5	4.49	64.7	65.3	65.2	64.7	65.3	64.3				De 19 7
		DATE	1977	1952	1976#	1971	1975	1976*	1976	1976	19761	1977#	1976	1976	1976	1976	1976	1975	1977	1977*	1975*	1975	1977*	1975	1973	1973	1973	1976*	1976	1977*	1976	1977	1977	
1	ΛE	၁့	28.9	8	28.9	29.4	27.8	27.8	28.9	7.	27.8	8.		28.9	29.4	28.3	28.9	28.9	28.9	28.3	28.3	29.4	28.9	28.9	59.4	29.4	28.9	28.9	30.6	28.9	28.9	29.4	28.9	
MAXIMOM LEMP	EXTREME	9 °	84	94	84	85	82	82	84	82	32	83	85	84	85	83	84	84	84	83	83	8.5	9.4	84	85	85	84	84	87	84	84	85	84	
	E	o°.	26.0	26.5		26.2	25.9	25.4	25.4	25.5	25.4	25.7	25.8	25.8	26.2	26.1	2.92	25.9	26.3	26.2	26.2	26.3	26.3		25.8	25.9	26.0	26.1	26.0	25.8	26.1		25.9	1
	AVERAGE	4 °	78.8	79.7	79.1	79.2	78.7	77.8	77.7	17.9	77.8	78.2	78.4		79.1	78.9	79.1	78.6	79.3	79.2	79.1	79.4	79.3	78.6	78.4	78.6	78.8	79.0	78.8	78.4	79.0	78.8		
-		50	22.5	22.9	22.8	22.7	22.4	22.3	22.2	21.9	22.1	22.3	22.2	22.3	22.6	22.3	22.6	22.5	22.7	22.7	22.4	22.3		21.9	22.0	22.2	22.2	25.2	25.2	6.12	22.4	22.4	22.3	
MEAN LEWIT	AVERAGE	° F	72.5	3.5	73.1	72.8	72.3	72.1	71.9	71.5	71.7	72.1	71.9	72.2	72.7	72.1	72.7	72.5	72.9	72.9	72.4	72.2	72.4	71.5	71.6	71.9	72.0	71.9	72.0	71.4	72.3	72.3	72.2	4 41
		DAY	1	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

0

127

0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

Q

0

0

8

8

2

STATION 22514

111

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWALL

STATION NAME

1949-1977

YEARS

FEBRUARY

1970* 1970# 1975 1973* 1970 1973 1970 1970 1970 1970 1970 1972 1972 676 1949 1861 1965 1973 1970 1962 096 1973 15.0 13.3 3.3 3.3 12.8 12.8 4.4 13.9 12.8 4.41 13.3 16.1 4.41 13.9 14.4 12.8 12.8 13.9 16.1 16.1 16.1 13.3 11.1 1:1 EXTREME MINIMUM TEMP 52 56 20 23 5 3 61 3 61 9 61 8.8 8.3 18.2 18.6 0.61 18.9 18.5 18.8 8.3 18.3 18.2 19.1 18.4 8.2 18.7 18.2 8.6 18.5 AVERAGE 0.69 65.8 65.7 65.8 65.3 65.2 6.99 94.6 66.4 66.1 65.1 64.8 4.69 64.7 65.7 65.7 6.49 65.7 64.7 1977# 1977* 1952 1977 1977 1977 1977 1977 1964 1977 1977 1977 1971 1971 1977 1971 1971 1977 1971 197 197 197 29.4 28.3 28.3 28.9 28.9 28.9 29.4 28.3 28.3 28.9 28.9 28.9 29.4 29.4 30.0 28.3 28.3 28.9 29.4 28.3 59.4 29.4 30.0 28.9 28.3 30.0 30.0 28.3 EXTREME MAXIMUM TEMP 98 9 84 2 84 83 85 3 3 8 48 83 84 25.8 25.9 25.8 25.9 25.9 25.4 26.1 25.5 25.4 25.9 25.9 26.1 25.8 25.7 25.7 55.9 25.8 25.7 26.0 25.9 25.8 25.9 25.7 25.3 26.4 25.9 26.1 26.1 AVERAGE 78.6 78.2 77.6 78.3 77.8 78.8 78.6 0.61 79.6 78.7 78.7 78.6 78.4 0.67 0.61 78.6 78.4 78.5 78.2 77.9 78.2 77.8 78.7 0.61 22.6 22.2 22.1 21.9 22.1 21.8 22.1 22.4 22.3 22.2 22.2 22.1 21.9 22.1 21.9 22.4 22.6 22.2 22.1 22.1 22.1 22.1 22.1 22.2 MEAN TEMP AVERAGE 71.8 71.8 71.4 71.9 72.6 71.9 71.9 71.9 71.8 71.3 711.7 72.7 72.3 71.8 71.8 71.8 71.5 71.8 72.2 72.1 71.7 Monthly DAY 16 18 10 = 12 13 14 15 17 19 20 21 22 23 24 25 56 27 28 29 30 6 4 9 S ∞

ALSO ON EARLIER YEARS

2

22514 STATION

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

ロるロ

22514 STATION

BARBERS POINT, HAWALL

STATION NAME

1949-1977

YEARS

MONTH

MARCH

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE

0

EXTREME

MINIMUM TEMP

18.9

1952

1932

0.6 8.9

15.0

1975*

14.4

18.7 8.7

65.7

1971

1969 1969 1977

29.4 28.9

85 84 8 8 4 8 8 8 8 5 8 4 83 85

26.5 26.3 26.4 26.3

28.9

84

26.1

79.0

79.2

79.3

22.6 22.6

72.4 72.6 72.5 72.4 72.3 72.3

79.5

25.8

78.4

1977# 1977

1977

1974

29.4

8 5

78.9

22.5 22.4 22.4 22.4

72.5 72.3

> S 9

10

3

26.6 26.2 26.1

26.1

22.6

DAY

0

1954*

15.0 16.1

15.6 15.0

16.1

20

18.8 18.6

65.8

29.4 29.4

65.7

65.5 65.6

1977

28.9

6

18.9

66.1

19

14.4

1972* 14.4 15.6

> 53 58 09 29

18.7

65.7

1971 1971

30.0

1971

29.4

1971

29.4

26.2

19.4 79.2 79.2

22.5

10 11 12 13 14 15

3

6

 ∞

*

22.4 22.4

1969

1976 15.0

14.4 16.1

58

18.8

65.8 66.99

1977

2.99 0.99

> 29.4 29.4 28.9 28.3 29.4 28.9 28.3

26.3 26.3

79.3

25.9

78.7

22.4

22.7

72.8

72.6

16

X

17 18

22.4

3

26.1

0.64

54

16.7 16.1

62

19.3 19.3 19.5 19.3 18.8 18.4

66.7 67.1

1971

61

9 0

61

19.4

1977#

26.5 26.8 26.6 26.4 26.2 26.2 26.0 26.3

79.7

22.6

73.3

72.7

26.3

79.3

79.4

22.6

16.1

16.1

52

65.6 65.2 66.1

67.1

1977# 1977*

4 6 5

79.6 79.2

22.9

73.3 73.3

73.4

19

77

20

21

79.8

80.2

23.0

1971 1971

50.4

28.9 29.4

9 6 85 33

79.2 78.8

22.8

22.4 22.4

72.3 72.3

22.9

73.2 73.0

22

23 24

1958

1957* 986 13.9 3.9

15.0

53

18.9 19.3

1974

28.9

1971 1971 1971

28.9

84 3 8

26.6 26.5 26.5

55.9

73.3 73.2

27

28

36

22.9 22.8 22.9

73.0

53 30 Monthly

31

22.7

72.8

25

26.4

79.3 79.6 19.8 79.7

59.4

79.7

59.4

1977

28.3

3.9 16.1

61

19.3

1965

1965

16.1

61

19.3

19.2

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWALL

STATION NAME

1949-1977

YEARS

APRIL

MONTH

	MEAN TEMP	EMP		M	MAXIMUM TEMP	MP			M	MINIMUM TEMP	ΛP	
	AVERAGE	GE	AVERAGE	\GE	EXTREME	ME		AVERAGE	3.E	EXTREME	ME	
DAY	L 0	၁့	L 0	၁့	u.	o°.	DATE	¥ °	o.	4 0	၁ွ	DATE
	73.5	23.1	6	26.5	**	28.9	1974	4.19	19.1	62	16.7	1966
	73.4	23.0		26.4	85	59.4	1977	67.2	19.6	70	17.8	1966#
3	73.5	23.1		26.4	86	30.0	1971		19.7	62		1966
4	73.2	22.9		26.4	85	29.4	1977#	8.09	19.3	26	13.3	-
5	73.3	22.9	79.5	56.4	85	59.4	1971	_	19.4	09	15.6	196
9	73.2	22.9		26.3	8.5	59.4	1971		19.4	29	15.0	-
7	73.6	23.1		26.8	87	30.6	1971	6.99	19.4	54	12.2	197
	73.3	22.9		26.4	85	29.4	1977		19.4	57	13.9	-
6	73.7	23.2		26.7	96	30.0	1977	67.2	19.6	09	15.6	1969
10	74.0	23.3	80.5	56.9	85	29.4	1977*	67.5	19.7	61	16.1	1975
11	74.0	23.3	80.3	26.8	85	29.4	1977*	67.8	19.9	09	15.6	1975
12	74.4	23.6	9.08	-	89	29.4	1977*	68.3	20.2	40	17.8	1975
13	74.3	23.5	80.7	27.1	80	29.4	1977*		19.9	63	17.2	1981
14	74.4	23.6	80.9	27.2	86	30.0	1971		19.9	99	17.8	1975
15	73.8	23.2	80.0	26.7	85	59.4	1971		19.7	69	17.2	1965
16	73.9	23.3	80.5	56.9	84	28.9	1974		19.6	62	16.7	1965
17	74.2	23.4	80.5	6.92	48	28.9	1974#	6.19	6	62	16.7	1961
18	74.3	23.5	80.3	26.8	86	30.0	1971		20.2	62	16.7	1961
19	74.0		80.1	26.7	84	28.9	1969	67.9	19.9	63	17.2	1966
20	74.0	23.3	80.4	26.9	85	29.4	1970*	-	19.8	09	15.6	1966
21	74.1	23.4	80.5	56.9	4	28.9	1971*		19.9	00	5	1958
22	73.7	23.2		26.9	200	29.4	1973*	6.99	19.4	28	13.3	1958
23	73.9	23.3		26.8	85	29.4	1973	67.6	19.8	62	16.7	1969
24	74.3	23.5		26.8	48	28.9	1973	4.89	2002	62	16.7	1969
25	74.6	23.7	90.08	27.0	85	29.4	1971	68.6	20.3	79	17.8	0
26	74.6	23.7	81.0	27.2	98	0	1967	68.2	20.1	65	18.3	1977*
27	75.3	24.1	81.7	27.6	98	30.0	1973	6.89	20.5	70	17.8	1974
	75.3	24.1	81.2	27.3	85	59.4	1973*		20.8	69	18.3	1970
29	75.0	23.9		27.2	98	30.0	1975	68.9	20.5	69	18.3	1960
30	74.8	23.8	81.1	27.3	8.5		1969	68.5	20.3	99	17.8	1976
31												
Manchi	2010		0 00	9 76	1			67 6	0	- 1		. 0 .

*ALSO ON EARLIER YEARS

22514 STATION

5725 DAILY AVERAGEEXTREME TEMP MAR DAILY AVERAGE/EXTREME TEMPERATURES

MONTH

YEARS

1949-1977

BARBERS POINT, HAWAIT

STATION NAME

STATION 22514

DAY

10

= 12 13 14 15 16 17 9 19 2 21 22 23 24 25

10

MAY

LUNG

696T 1952 1970* 1969* #696I 1969 1975 1932 1975* 1952 0461 1952 1969 1975 1949 1952 6961 1969 1969 952 256 1952 1972 1975 977 7.2 16.7 17.2 18.3 19.3 6.81 4.6 7.2 18.3 7.8 18.9 17.2 17.8 18.3 18.3 18.3 16.7 7.8 16.7 6.7 EXTREME MINIMUM TEMP 62 68 49 69 68 99 63 63 90 63 69 6 5 65 63 99 69 99 62 63 99 67 49 79 89 20.9 20.7 21.2 21.0 20.4 20.1 50.9 20.8 20.3 20.3 20.2 20.3 21.1 21.1 AVERAGE 1.0/ 69.69 68.5 68.3 69.8 69.6 8.89 10.1 68.3 68.2 68.2 68.6 69.2 2.69 8.69 9.69 70.4 68.7 8.89 1976# 1973* 1975# 1971# 1976# 1975# 1971* #6961 1977* 1975# 1971# 1971* 1971* 1959 1976 1976 1968 1969 1968 1969 1975 1970 1971 1971 1971 1971 1971 29.4 30.0 30.0 30.6 59.4 30.6 28.9 29.4 30.0 30.0 30.0 29.4 30.0 30.0 31.1 30.0 30.0 30.0 31.1 30.0 30.6 30.6 30.6 30.0 31.1 31.1 31.1 EXTREME MAXIMUM TEMP 86 86 86 88 86 86 98 88 86 86 8 51 98 8 88 50 87 87 88 88 8 28.0 27.8 28.0 27.3 27.3 27.6 27.8 27.9 27.4 27.6 27.4 27.4 27.8 27.9 27.9 27.9 28.3 27.2 27.7 27.7 27.3 27.7 27.9 27.8 28.1 28.3 28.5 27.1 28.1 AVERAGE 82.3 81.4 82.1 82.4 80.9 81.8 82.4 82.2 82.3 82.9 80.7 80.9 81.2 80.8 81.9 81.7 81.4 82.1 82.2 81.8 82.2 82.6 81.7 81.1 82.1 81.3 81.2 82.1 24.5 23.8 23.9 23.8 24.0 24.2 24.4 24.3 24.3 24.4 24.5 24.4 24.5 24.6 23.8 24.1 24.2 23.8 24.1 24.3 24.5 24.5 24.4 24.8 24.7 23.8 23.8 MEAN TEMP AVERAGE 74.8 75.3 74.9 75.0 74.9 74.8 6.46 75.5 75.5 76.1 75.9 75.7 75.7 76.1 76.4 74.7 74.8 14.9 75.2 76.1 75.9 76.0 76.2 76.5 76.1 76.7 76.1 74.7

100

970

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

Monthly

30 31

53

27 28

26

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22514

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWAII

STATION

1

STATION NAME

1949-1977

YEARS

JONE

MONTH

	MEAN TEMP	EMP		W	MAXIMUM LEMP	MP			M	MINIMUM TEMP	MP	
	AVERAGE	GE	AVERAGE	GE	EXTREME	EME		AVERAGE		EXTREME	ME	
DAY	F 0	00	₽,	o	u.	00	DATE	L 0	000	40	ွ	DATE
1	76.3	24.6	83.1	28.4	87	30.6	1974*	9.69	50.9	49	17.8	1968
2	76.3	24.6	82.9	28.3	89	-	1974	8.69	21.0	79		1968
62	76.5	24.7	83.1	28.4	98	30.0	1974#	6.69	21.1	99	18.9	1975
4	76.6	24.8	83.1	28.4	88	31.1	1968	0.07	21.1	99	18.9	1972#
20	76.7	24.8	83.3	28.5	1 29	30.6	1968*	70.0	21.1	63	17.2	1969
9	76.8	54.9	83.6	28.7	68	31.7	1968	70.1	21.2	63	17.2	1969
7	77.2	25.1		28.7	18	30.6	1974#	10.8	21.6	67	19.4	1949
00	77.2	25.1		28.4	88	31.1	1968	71.1	21.7	6.0	20.0	1949
6	77.3	25.2	83.7	28.7	68	-	1968	71.0	21.7	89	20.0	1976#
10	77.1	25.1		28.6	88	31.1	1974	10.6	21.4	63	20.0	1977*
11	77.0	25.0			68	31.7	1974#	70.4	21.3	63	19.4	1976
12	77.2	25.1	83.7	28.7	58	31.7	1968	70.7	21.5	99	18.9	1969
13	6.91	54.9		28.5	60	30.08	1968	10.6	21.4	99	17.8	1969
14	77.2	25.1			68	31.7	1968	10.8	21.6	99	18.9	1976
15	77.2	25.1	83.5	28.6	89	31.7	1974	40.0	21.6	63	19.4	1970
16	77.5	25.3		28.8	88	31.1	1968	71.2	21.8	68	20.0	1969
17	77.4	25.2			68	31.7	1972	4.07	21.6	69	20.6	1969
18	77.2	25.1			89	31.7	1968	6.07	21.6	67	19.4	1973
19	77.1	25.1	•	7.82	80	31.1	1969	70.7	21.5	61	16.1	1975
20	77.1	25.1	83.5	28.6	37	30.0	1974#	70.7	21.5	68	20.0	1968
21	17.0	25.0	83.3		88	31.1	1968	10.8	21.6	69	19.4	1968
22	77.5	25.3	63.9		88	31.1	1975#	71.1	21.7	68	20.0	1976
23	7.77	25.4	84.3		68	31.7	1968	71.2	21.8	89	20.0	1976
24	77.5	25.3	83.6	28.7	68	31.7	1968	71.4	21.9	69	19.4	1981
25	77.7	25.4	84.1		68	31.7	1968	71.3	21.8	63	20.0	1976
26	7.77	25.4	83.9		80	31.1	1977*	71.6	22.0	69	20.0	1949
27	77.5	25.3	3.	78.7	88	31.1	1974*	71.3	21.8	6.8	20.0	1977
28	77.7	25.4	83.9	28.8	88	31.1	1975	11.6	22.0	69	20.0	1977
59	77.5	25.3	83.6	28.7	06	32.2	1968	71.3	21.8	99	18.9	1981
30	77.5	25.3	-		89		1968	71.4	21.9	69	20.6	1950
31												
Monthly	77.3	28.1	83.4	7 9 5	00	23.3	1048	70.8	21.6	, ,	14.	. 078

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

ころ

BARBERS POINT, HAWAII

STATION NAME

STATION 22514

w

o

1949-1977

YEARS

MONTH

1968 1968 1968# 1974# 1976# 1976+ 4896 1968 1950 1974 1950 1946 1976 1968 1976 1974 1955 1974 1977 1977 1977 1977 20.0 17.8 19.4 20.6 20.0 18.9 20.0 20.6 20.6 20.02 18.9 20.6 19.4 20.6 20.0 20.0 21.1 20.6 20.6 20.6 EXTREME MINIMUM TEMP 68 69 69 0000 0 0 0 60 60 69 99 68 68 00 0 22.2 22.4 22.2 22.2 22.2 22.4 22.4 21.9 22.2 21.9 22.0 22.3 22.2 22.3 22.4 22.3 22.3 22.2 22.5 22.3 22.3 22.1 22.1 AVERAGE 72.0 7..4 12.0 72.0 72.0 72.4 1.7/ 72.1 72.1 4.27 72.4 71.9 12.1 1.4 6.11 8.17 72.0 9.11 72.5 72.3 12.3 12.1 11.7 1973* 1975# 1974+ 1977* 1975* 1958# # 466 1975* 1977# 1975 1969 1974 1968 1968 1968 1968 1975 1974 1968 1970 1974 1974 1968 1973 1973 1973 32.2 31.7 32.2 32.2 32.2 32.2 31.7 32.2 31.1 31.7 31.7 31.1 31.7 31.7 32.2 3107 31.1 32.2 31.1 31.7 31.7 31.7 31.1 EXTREME MAXIMUM TEMP 90 8 6 89 06 8 8 9 89 68 88 89 8 800 89 8 89 2.60 29.0 39.6 28.8 29.5 2.66 29.5 29.3 29.3 29.3 59.4 29.1 28.9 28.9 29.4 29.3 39.4 29.1 28.8 29.0 28.9 29.1 29.2 29.1 29.3 29.1 28.8 29.3 AVERAGE 84.2 94.4 84.7 84.4 6.48 8.48 84.2 84.5 84.5 84.5 84.1 94.4 84.7 84.7 84.8 6.48 84.4 84.5 84.1 84.5 84.8 84.1 25.6 25.6 25.7 25.8 25.9 25.9 25.9 25.4 25.6 25.6 25.5 25.7 25.8 25.7 25.7 25.7 25.8 25.7 25.8 25.8 25.5 25.6 25.8 25.6 25.3 MEAN TEMP AVERAGE 78.1 78.0 78.5 78.4 78.0 78.2 78.3 78.3 78.4 78.4 78.5 78.6 78.8 78.0 77.9 78.3 19 DAY 16 2 25 28 30 12 14 5 17 22 24 8 31 9 10 = 13 20 21 23 26 27

0

3

0

3900

ALSO ON EARLIER YEARS

20.6

977*

1974 1974 1974 1973 974

20.0

1969

1969

20.0 4.6 20.0 20.6

8.8

63 68 1969#

1974

20.6

DAILY AVERAGE/EXTREME TEMPERATURES

ASHEVILLE, NORTH CAROLINA

NAVAL WEATHER SERVICE DETACHMENT

BARBERS POINT, HAMAIT

STATION NAME

1949-1977

YEARS

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

2.5

1977*

MINIMUM TEMP

EXTREME

MONTH AUGUST

20.6

69

20.02

1957 1957 1955 1975

20.6

69 69

20.6

69

22.4 22.4

12.3

1977#

31.7

16.1

61

22.6

22.6

72.7 72.1

1973#

32.2 32.2

1973 896

1973#

32.2

29.6

85.3

4.62

85.0 85.4 29.6 59.4 8.62

85.2

85.0

29.7

26.2 25.9 25.9

78.6

79.1

78.7

26.0

78.8

26.1

29.4

6.48

58.6

78.7 78.9 20.6

22.6

72.4

1968

22.9 22.8

1974

32.2

32.2

32.2

06 06

29.8

26.2 26.4 26.3 26.3

19.6

12 0 14 13

79.3

26.1

0.64

10

79.1

85.6 85.6

8.60

73.2 73.3 73.1

1971 1991

32.8

16 6

29.6

7.62

85.4 85.3

4.64

7.62

85.4

32.2

21.1 21.1

1968*

1974 1974

21.1

20.0

69 69 23.1 23.0 23.0 22.8

73.5

1973*

31.7

31.7

68 58 06

79.7 7.60

85.4

26.4

26.1

0.66

16

17 80 19 8 21 22 23 24 25 56

79.2

26.2

85.4

0.58

28.5

26.2 26.2

26.3

7.54

79.5

79.1

16.1 16.1

32.8

29.6

85.3

1977 1970

32.2 32.8

29.4

79.7

85.4

1955 1955

21.1

20.6

20.6 20.6 18.9

22.6

72.7 12.7

1949

1969 696

72.1

1977 1977#

06

9.60

85.3 85.4

25.9

78.7 78.9

7.62

85.4

7.62

32.2 35.2

72.3

1977*

1977#

32.2

9.62 39.62

85.2

26.2 26.2 26.1 25.1

79.2

26.1

06

29.5

85.1

78.9

79.2

85.3

9.62 29.6 39.6 29.5 29.6 29.6

85.3

85.2

25.9

26.1

78.9

78.9

27

28 8 30 3

26.0

78.8

26.1

Monthly

99

22.4

22.8

73.0

1974#

22.5

12.6

1977*

1977

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAY

MEAN TEMP AVERAGE

STATION 22514

True-

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWALL

STATION NAME

1949-1977

YEARS

SEPTEMBER MONTH

	MEAN TEMP	EMP		M	MAXIMUM TEMP	WP			W	MINIMUM TEMP	MP	
	AVERAGE	GE	AVERAGE	AGE	EXTREME	ME		AVERAGE	3.5	EXTREME	EME	
DAY	u.	00	u.	0.	u.	00	DATE	40	00	¥ 0	ွ	DATE
-	79.1	26.2	85.6	29.8	16	32.8	1974=	72.6	22.6	63	19.4	1975
2	0.67	26.1	85.3	29.6	06	32.2	1973	72.8	22.7	69	20.6	1969
8	79.3	26.3	85.6	29.8	06	32.2	1973	73.0	22.8	63	20.0	1969
4	2.64	26.2	-		16	32.8	1968	72.6	22.6	89	20.0	1969
9	78.8	26.0		6	06	32.2	1977#	72.1	22.3	69	19.4	1969
9	78.8	26.0	85.7	29.8	62	33.3	1974	71.9	22.2	99		1969
7	18.9	26.1	85.7	29.8	62	33.3	1974	72.2	22.3	69	17.2	1969
80	76.9	26.1	85.5	29.7	26		1974	72.3	22.4	69	19.4	1955
6	0.64	26.1	85.5	29.7	06		1973	72.5	22.5	69	50.6	1970*
10	79.2	26.2	5	29.9	90		1974#	72.6	22.6	10	-	1963*
11	79.2	26.2	85.7		06		1977*	72.7	22.6	10	21.1	1970*
12	78.7	25.9	5	29.6	89		1974	72.2	22.3	69	19.4	1975
13	0.67	26.1	85.7	29.8	92	3	1974	72.3	22.4	0.8	20.0	1991
14	0.61	26.1	85.7		36		1974	72.3	22.4	69	20.6	1949
15	79.2	26.2	85.8		90	2.	1974#	72.5	22.5	6.8	20.0	1957*
16	78.8	26.0		29.6	06	2	1971#	72.3	22.4	89	20.0	1957
17	78.8	26.0			90	2	1973	72.5	22.5	69	20.6	1969*
18	79.1	26.2	85.7		06	32.2	1977	72.4	22.4	69	20.0	1975
19	6.82	26.1	85.6	29.8	06	~	1972*	72.2	22.3	69	20.6	1981
20	78.7	25.9	85.6	6	16		1972	71.8	22.1	69	20.0	1975*
21	78.8	26.0	5		16	N	1973	72.1	22.3	6.8	20.0	1975#
22	79.1	26.2	85.8		91		1973#	72.4	22.4	68	20.0	1975+
23	78.8	26.0	85.3	29.6	68		1976#	72.2	22.3	68	20.0	1969*
24	79.3	26.3			16	32.8	1974	72.8	22.7	67	19.4	1955
25	78.9	26.1	85.7	29.8	06	32.2	1973	72.2	22.3	69	20.6	1969
26	78.9	26.1	85.8		16	32.8	-	72.0	25.2	69		1969*
27	78.6	25.9	85.3		68	1		71.9	22.2	67	19.4	1977*
28	78.5	25.8	85.1	29.5	89	31.7	1973	71.9	22.2	69		1977
23	78.7	25.9	85.3	29.6	89	31.7	1974#	72.1	22.3	99	18.9	1968
30	78.6	25.9	84.9	29.4	88	31.1	1976#	72.2		99	20.0	1968
31												

*ALSO ON EARLIER YEARS

1969

17.2

63

22.4

1974

33.3

29.7

85.8

78.9

Monthly

DIRNAVOCEANMET-SMOS

STATION 22514

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

BARBERS POINT, HAWAII

22514 STATION

STATION NAME

1949-1977

YEARS

MONTH OCTOBER

1	
	AVERAGE
3° 5°	
.7	.7 29.
.1 29.	.1 29.
•	.0 29.
.8	.8 29.
9.	.62 9.
0.	•0 29
6.	.9 29.
• 3	• 3
4.	4.
9.	9.
•3	•3
.7 29.3	84.7 29.3
.2	.2
4.	4.
8.	8.
8.	.8 28.
0.	.0 28.
.3 2	.3 2
.1 28.	.1 28.
.9	.9 28.
.3	.3 2
.9	.9 28.
.2 2	.2 29.
.3 29.	.3 29.
.4 25.	.4 25.
.8	.82 28.
.6 2	.6 2
. 5	.5 28.
.0 28.3	.0
.2 2	
.0 2	2 0

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

BARBERS POINTS HAWAIT

STATION 22514

12595 9/981

DAY

10 7 12 13 14 15 16 17 18 19 20

œ 6

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION NAME

1949-1977

MONTH

NOVEMBER

YEARS

1949 1976 1968* 1972* 976* 1968 1950 1969 1976 19764 1976 1974 1977 1955 1970 696 1949 1958 696 1949 1949 17.2 17.2 18.3 7.8 17.8 18.3 15.6 13.9 17.2 18.3 18.3 18.3 18.3 17.2 17.8 16.7 15.6 16.7 13.9 16.7 3.9 EXTREME MINIMUM TEMP 60000 09 69 69 99 6 5 69 63 69 99 68 60 69 69 67 64 62 53 62 20.6 20.9 21.2 20.9 21.4 21.3 21.3 21.0 21.2 20.5 20.1 20.4 20.7 21.1 20.7 20.7 AVERAGE 9.69 9.01 200 6.89 69.9 10.3 69.8 68.2 68.7 1975# 1974# 1975# 1958 1971 1971* 1975 1971# 1975+ 4716 1968 1968 1968 1976 1968 1968 DATE 1958 1968 1968 1973 8961 1968 968 1971 30.0 30.0 29.4 30.0 30.0 30.0 29.4 30.0 30.6 29.4 30.0 30.0 30.0 30.6 31.1 30.0 30.0 30.0 28.9 29.4 30.0 31.1 31.1 31.7 31.1 EXTREME MAXIMUM TEMP 89 86 86 8 88 9 9 8 8 2 88 8 4 98 86 85 89 86 84 8 5 87 87 88 28.6 27.8 27.8 27.0 28.5 27.3 28.5 28.4 28.3 27.8 28.3 27.9 27.7 28.3 28.1 28.1 27.7 27.5 27.6 27.8 27.8 27.3 26.9 AVERAGE 80.6 83.4 83.2 82.9 82.7 82.5 82.1 82.0 81.9 83.0 82.3 82.0 81.8 81.5 81.5 81.6 81.2 81.0 82.0 82.1 81.2 81.1 80.5 24.9 24.8 24.7 24.6 24.3 23.7 23.7 24.8 24.4 24.6 23.9 24.7 24.7 24.5 24.7 24.4 23.8 24.2 24.6 24.3 24.2 24.1 24.2 MEAN TEMP AVERAGE 16.8 76.4 76.3 76.4 75.7 75.6 75.6 76.6 76.7 76.4 76.7 76.5 76.3 76.0 75.3 74.9 75.5 75.0 74.6 14.8 76.5 76.1 74.7 74.7 75.8

'ALSO ON EARLIER YEARS

Monthly

22

23 24

21

25 28 28 53 30

DAILY AVERAGE/EXTREME TEMPERATURES

BARBERS POINT, HAWALL

STATION 22514

0

12295 9/981

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION NAME

1949-1977

YEARS

MONTH DECEMBER

1976# 1963 *946 1976# 1968* 1972* 972* 1969 1968 1956 6961 696 1968 1972 1972 1972 6961 1969 6961 1969 1968 1968 1953 1968 1971 15.6 13.3 15.6 13.9 13.9 13.9 13.9 15.6 15.0 7.8 17.2 13.3 14.4 17.2 16.1 12.8 15.6 13.3 16.1 16.7 11.7 16.7 4.41 13.9 16.7 16.7 4.4 16.7 16.7 16.1 EXTREME MINIMUM TEMP 23 00 56 62 62 62 62 79 62 63 62 19 19 63 S 19.6 19.6 19.3 19.2 19.9 19.9 19.4 19.5 19.1 4.6 19.2 4.61 20.2 9.6 6.61 20.1 19.5 19.8 6.61 9.6 8.9 20.5 19.7 1.61 18.7 19.7 AVERAGE 67.0 9.19 0.70 67.8 4.19 67.8 67.1 67.3 66.8 67.2 8.19 67.4 81.6 4.19 67.1 9.99 61.7 1976# 1976* 1974# 1977* 1977* 1977* 1966# 1972 1969 1974 1956 1974 1968 1974 1974 1974 1975 1977 1974 1977 1975 975 1977 177 1977 1977 30.0 30.0 30.0 31.1 30.6 29.4 28.9 29.4 29.4 28.3 28.3 28.9 28.9 28.9 28.3 30.0 28.9 28.9 28.9 28.9 30.6 30.6 30.0 31.1 28.9 29.4 31.1 31.1 EXTREME MAXIMUM TEMP 83 8 86 85 34 48 40 8 3 4 83 8 48 9 88 8 87 4 48 83 83 26.6 26.6 26.2 27.0 26.6 26.8 56.9 26.4 26.6 26.4 26.3 26.8 26.4 26.1 25.9 26.1 26.3 26.5 26.6 26.5 26.3 26.6 26.3 26.6 27.1 26.9 26.8 26.5 26.6 26.0 AVERAGE 80.6 80.2 80.4 19.6 79.8 4.61 79.8 8.61 80.6 6.61 8.61 19.5 80.2 0.64 79.7 6.61 80.5 8.61 8.6/ 79.7 19.3 78.7 22.9 22.7 22.9 22.9 23.6 23.1 23.2 23.1 23.5 22.9 22.6 22.4 23.1 22.9 23.2 23.1 23.4 23.3 23.0 23.0 MEAN TEMP AVERAGE 73.2 72.4 73.2 73.5 73.3 72.6 74.2 73.8 74.0 74.3 73.4 73.5 73.3 72.6 73.2 73.6 73.2 73.3 73.0 74.5 74.0 73.6 73.8 74.8 Monthly DAY 88 0 = 12 14 15 16 17 18 19 20 21 22 23 24 25 56 27 53 30 13 4 S 6 œ

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

49-77

BARBERS POINT, HAMAII

2

Q

Q

0

0

YEARS

WHOLE DEGREES PARRENHEIT

MONTHS			06	87		87	00	9	87	88	88	80	20	88	87	87	80	88	80	5	06			76		26	06	06	16	88.7	1.634	10408
DEC.	82	8	28	6	82	81	83	48	78	83	69	89	83	82	87	83	8	87	69	84	88	81	88	**	88	88	88	88	80 80	83.8	2.231	899
NOV	84		99	78	82	100 100	8 8	48	88	81	83	*	40	84	98	20	20	80	84	63	8.2	4	80	4	20	67	83	86	98	85.5	1.599	1
OCT.	83	87	88	80	82	8	83	8 2	87	98	87	88	88	87	87	98	98	87	88	06	83	6	88	06		0	06	83	16	87.4	2.041	868
SEP.		98	06	8 2	98	67	88	8 2	2.0	88	89	98	67	86	98	67	68	80	68	91	6.0	69	16	91	16	92	68	06	06	88.1	2.107	1
AUG.	99	87	88	87	87	87	69	98	67	98	88	6.0	88	88	98	87	98	98	88	90	06	16	16	06	06	06	88	8		87.9	-	1
JUL.	98	90	88	30 30				82		87	98	86	88	98	86	20	98	86	88	06	88		8	60	06	06	06	87	6.9	87.2	1.902	837
NO.	88	80	87	48	3.4	85	82	83	8.5	*8	50	87	18	80	750	98	8.5	99	10	00	88	86	8	68	8.7	9	89	98	60	0	068	870
MAY	63	48	80	98	30	82	81	80	48	63	83	**	60	9	84	80	98	100	97	88	88	86	50	48	88	25	88	8	98	84.9	1.839	899
APR.	81	82	83	81	83	**	18	60	8	62	98	8	84	48	78	8	60	82	86	80	88	80	8	8	98	6.3	88	*C	98	83.8	1.725	
MAR.	82	82	48	78		82	82	18	61	090	82	81	63	60	60	82	81	81	48	84	80	83	98	69	83	87	83	83	85	85.8	1.634	899
E	18	82	82	8	82	82	19	82	19	82	82	8	85	81	98	88	40	82	82	83	83	82	500	82	60	4.6	82	82	86	62.3	18	
JAN.		82	82	40	83	20	82	60	63	8	62	25	82	85	60	82	82	81	82	82	28	69	88	81	69	9.6	200	87	8.3	82.7	3.8	
YEAR	64	20	51	52	53	54	55	98	57	28	56	09	61	29	6.0	40	69	99	67	99	69	10	7.1	72	73	74	75	76	1.1	MEAN	S. D.	TOTAL OBS.

MAXINUM TEMPERATURE

BARBERS PUINTS HAWAII

16-77

VBASED ON LESS THAN FULL MONTHS/

MONTHS	TEMP		TEMP	TEMP	TEMP	THE TE		
*ON	MAX	DAY	NA Y	DAYS	MAX	XX		1
DEC.								
NOV.			200					-
OCT.						252		-
SEP.	99	68						
AUG.								-
JUL.		1		30	9 -			-
JUN.		1						1
MAY								-
APR.								-
MAR.				+				-
		1						
JAN.	80	30						-
YEAR	64	1	06	53	20		MEAN S. D.	

NAVWEASERVCOM

(N)

MINIMUM TEMPERATURE

BARBERS PUINTS HAWALL

22514 STATION

49-77

WHOLE DEGREES PAHRENHEIT

10 80
00
2
40
64 14
_

0 0 0 0 0 0 0

MINIMUM TEMPERATURE

YEARS

/BASED ON LESS THAN FULL MONTHS/

MONTHS DEC. 29 NOV 27 OCT. 29 SEP. AUG. 96000 Ĭ. Š MAY -MAR. = NY. S. D. TOTAL OBS.

NAVWEASERVCOM

OND

19816I

0

0

0

0

Q

2

20

13

53

8

30

4

0

BARBERS POINT, HAWAII

5 PSYCHROMETRIC SUMMA JAN 68

PAGE 1		B. Dry Bulb Wet Bulb Dew Point			-	139	11 151	4 154 177 52	167 231	85 208	33 33 165 250	94 6	4 25 1	1 12 47		4	1240 1240	0 1240			rature	293 F	744.0
	TOTAL	≥31 D.B./W.	•	10		139	2:	154	167	8	6		+			+		1240			s with Tempe	F 280 F	4 111 0
	1	. 28 29 . 30 =					+						+			+					Mean No. of Hours with Temperature	267 F 273 F	4 104 4 644
		- 24 25 - 26 27					+						+			+						≥ 32 F	~
	(F)	22 23					+						+			+					1	10F	
	WET BULB TEMPERATURE DEPRESSION (F)	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 -		1 0	•	1	+			+			+			+	9				No. Obs.	1240	
	B TEMPERATUR	13 - 14 15 - 16	2,4	7	•	1.	3.	::		-			-			+	2.7 .6				σ×	12.193	200
			,	7 15	10	-	52	•	2.	:-	•		1			1	1.0 8.1				×	73.9	* **
	1	6 7 . 8 9 .	•	2	6 2.7		2.5	0.1.0		2 . 9	2		+			+	510.629.420.213.914				ZX	91590	0000
		3.4 5.6				-	0.0	2.5 5.9	2.9	3.7	1.3		.2	7.	7:	+	29.420.				-	6948116	
		0 1.2		-			1-1	0.4	.1 2.7		111		7	-		-	.510.6				2x2	469	17.
	Temp.	1	86/ 85	82/81	80/ 79			72/ 73	1		64/ 63			58/ 57			707 AP				Element (X)	Rel. Hum.	

0

MONTH HONTH

	Dew Poi							•	6		75		293			104		7.9	14	1128					Total	672.0	
TOTAL	iulb Wet Bulb Dew Point	2	17	64	103	102	1.8	93 9		143 156		117 238		25 129						1128	1128				293 F		
1	/.B. Dry Bulb	ser.	17		103 1			93		143 1				52			-			1	88	-		erature .	-	0.	
7	D.B./W.B.				ĭ	Ä	-	•	-	1,	-	-	,								1128			vith Temp	≥ 80 F	1 64	
	. 30 231														-		-	 -			-		-	of Hours	≥73 F	290.1	-
	. 28 29					_									-		-							Mean No. of Hours with Temperature	≥ 67 F	551.1	
	25 . 26 2														1										≥ 32 F		
The same of the sa	1 . 22 23 . 24																								40 F		
	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27			-	-															.2				No. Obs.	1128	1128	
	5 . 16 17 .			.2		4	.3								+		-							ž	6		
	13 - 14 1	4.	. 7	1.0			9.		1.						1					0.4				×°	12.669	5.580	
	0 11 . 12		1 . 7	~		~	- 1		7 . 4		.5 .2	3								4.310.3				×	71.7	72.0	
	8			.2 1.		2.1 3.2			.3			. 51	2.	-1-	+			-				-		_	-	81172	
	5.6 7.				-	.5 2	3	.8	7	4.	.5 1			· ·	+		-	-		3.013	-	-		- N	80	81	,
	3.4					-	9.		3.6		2		1.9	00						9.324.523.013.01					2740	5876310	
-	1.2						1	.3	2 .8		3 1.5	N	-	1.0			-:							NX2	598	587	
	0								•		•	•	•	•						.7							
-dilla	(F)	86/ 85	84/ 83	82/ 81		78/ 77	-		72/ 71		68/ 67	66/ 65	64/ 63	62/ 61		58/ 57		2	50/ 49	TOTAL				Element (X)	Rel. Hum.	Dry Bulb	

0 0 0 0 0 0 0 0 0 0

BARBERS POINT, HAWALL

MAR

	Dew Point								15	30	9	141	267	295	253	63	56	17	1240								Total	744.0	44.0	
TOTAL	Wet Bulb						4	17	29	187	302	318	222	16	23	13	m	-		1240										
	Ory Bulb	10	10	107	139	133	===	122	184	210	112	09	21	13	5	7			1240							2	293 F			
TOTAL	D.B./W.B. Dry Bulb Wet Bulb Dew Point	~	19	101	139	133	111	122	184	210	112	09	21	13	5	1				1240						Mean No. of Hours with Temperature	2 80 F	122.4		
	≥31		1		1												1									urs with	≥73 F	380.4	2.6	
			1		+											_	1		+				+	1	<u> </u>	of Ho	27			
	28 29	-	+		+	_	-		_	_			_	_	-	_	-		+		-		+	-	-	o No	₹ 67 F	684.0	341.4	
	5 27 .		1		1														1				1			Me	AI .	68	34	
	25 - 26																										≤ 32 F			
	3 - 24		1																								VI	-		
	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30		+		1	_										_	1						+				≥ 0 F			
(F)	20 21	_	+		+				-				-		-		-		+	-	-		-	+	-					
SION	. 61		1	~!	1														_							bs.	1240	1240	1240	
WET BULB TEMPERATURE DEPRESSION (F)	17 . 18			.2																						No. Obs.	7	1.2	12	
ATURE	91 . 9	.2	.3		-	-													10							Н	9	6	3	
EMPER.	17		20	•	0	3										-	1		7.7		1		+			σ×	2.206	5.219	3.034	
BULB T	12 13	-	_	2	7	9.	0	9.	_	-	_	_	_				-				-	-	+	-		+	-	1		
WET	=					~	-		1										2.512.8							×	63.6	73.4	66.1	
	9 - 10		22	1.0	3	2	2.8	1.4	•	.1	.2															H	-	-	-	
	8 .		7		6.	1.5	5.9	4.5	8 . 4	1.5	4.	.2					1		7.1							×	35117	91059	81996	
	. 6 7		+	7.	_			9.	4	·		6.	60	~		_	+		51				+			XX	00	6	œ	
	S	_	+	_	4	2	5	7 2	3 6			1	9	9.	2	1	+		524	-	-		+	-	-	H	2	6	~	
	3.4					•	•	•	2.	5.6		3.	•			•			5.118.524.517.11								6027285	6720639	346	
	1.2							-	• 6	1.4	1.0	.7			.2				5.1							Σx^2	602	672	543	
	0		1		1												1		:											
á		88	83	31	19	11	75	73	7	69	67	69	63	61	59	57		60								(X)	lum.	dioib	3ulb	
Tem	(F)	198	84/	85/	801	18/	191	141	72/	101	189	199	199	129	109	185	26/	54/	DTAL							Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb	

NAVWEASERVCOM

0 0 0 0 0 0 0

BARBERS POINT, HAWALI

APR

	Wet Bulb Dew Point						2					6 229			-	0	0	•	7	7	5 6	40	1199			Total	720.0	720.0
TOTAL	Wet Bulk							25		233		306	1	52										1199		4		
	Dry Bulb	5	4.1	105	131	105	140	104	218	160	19	37		2		٠,	•						1199		ture	≥ 93	6	
TOTAL	D.B./W.B.	20	41	103	131	105	140	164	218	160	19	37	00	2			3							1199	Mean No. of Hours with Temperature	≥ 80 F	133.	
	231																								Hours wi	≥73 F	414.9	16.2
	. 28 29 . 30				1			-							-		-								ean No. of	≥ 67 F	1	423.4
	. 26 27 .				+		1						+		+	_	-				-		-		ž		9	•
	3 - 24 25				1		-								-								-		1	= 32		
	21 . 22 23				1										1											10 E		
SION (F)	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27																								Obs.	1200	1199	1 90
RE DEPRES	6 17 . 18	3	-	2	7										-						-		-	•	Z.	1	1	-
WET BULB TEMPERATURE DEPRESSION (F)	14 15 . 1		.3 1.	2.4 .	00	.3	.1		.3	1.			-		-		-		+				6.2 2.		ďx	2.097	4.890	716
ET BULB TI	. 12 13		80		6.3 1	1.7	.3		-		7	.1			1		-		1		1		310.5 6		 	-	-	-
*	9 - 10 11	-	.3	2.1	4.0	5.9	3.0	1.2	4.	• 2		.2			1		1				1				-	69	+	+
	7.8		1	s.	.7	2.	3	4	3	-		.2	•										126-216-914		ZX.	83389	88938	ROSS
	5.6	1			.1				1 8 4	-		3 .3	. 1	• 1					-				126.2			-		
	3.4	_				•	3	1.	6 5	5		-	**	1		7			-		-		6.18	3	-	5970241	6625784	39878
	1.2	+					•		_	1.	1.4		•	•		•	•		-		1				272	5	ŏ	•
	°		33	81	50	77	75	73	7.	55	67	59	63	61	20	57	55	23	21	64	4.1	5	6.3		8	E	P	4
Trans	(F)		84/8	-			-	-	72/	-	189	-	-	-			- 1	24/			48/		TOTAL		Flement (X)	Ref. Hum.	Dry Bulb	Wes Ruils

0 0 0 0 0 0 0 0 0

22514 STATION

BARBERS POINTS HAWALL

1.4	
JAN	40
JAN	00

7	_
0	4
<	1
-	2
4	5
3	S
CIIMMA	5
-	_
·	4
(ر
-	_
	4
-	-
CIGTA	u
3	5
()
0	4
977	C
•)
>	_
-	4
0	-

O O O O O O O O O

BARBERS PUINT, HAWALL

PSYCHROMETRIC SUMMARY

wer buts Tawbearines Denession (7) 1. 1. 2. 4. 1 2. 2. 2. 4. 7. 1 2. 2. 2. 4. 7. 1 2. 2. 2. 4. 7. 1 3. 4. 2. 3. 2. 2. 2 3. 5. 2. 4. 5. 1 4. 6. 1 4. 6. 1 5. 6. 0.18.322.319.615.711.3 5. 0 1.4 1 5. 7. 2. 2. 2. 2. 2 5. 8. 0.0 18.322.319.615.711.3 5. 0 1.4 1 5. 8. 0.0a. 5. 1. 4. 0. 1 5. 8. 0. 0. 1 5. 9. 0. 0. 1 6. 0.	22514 STATION	SARBERS POINT, HAMA	KS PU	INI	HAM HAT				1	73-77			TLABS			1	NOW THE PERSON	2 2
WET BLUE TEACHURE DEPRESSION (F) 0 11.2 3.4 3.6 7.8 9.10 11.12 13.14 15.12 12.22 12.22 12.2 12.2 12.2 12.2 1																_	PAGE 1	1
89 89 89 89 89 89 89 89 89 89 89 89 89 8	Temp.						VET BUL	3 TEMPER	ATURE D	EPRESSION	F)				TOTAL		TOTAL	
89 89 89 89 89 89 80 80 81 82 82 84 82 84 85 86 86 87 86 87 88 88 89 89 80 80 80 80 80 80 80 80 80 80 80 80 80	(F)	1.					11 - 12	13 - 14 1	5 - 16 1	7 . 18 19	20 21 . 22 2	3 . 24 25 . 2	6 27 . 28 29		D.B./W.B.	Dry Bulb	Wet Bulb Dew Point	Dew Poi
89 81 81 82 83 84 85 87 87 87 87 88 89 80 80 80 80 80 80 80 80 80 80	8 /							,	·						20	20		
83 81 82 84 84 85 86 87 86 87 88 88 89 80 80 80 80 80 80 80 80 80 80							•		9.			+		-	1.0			
77 2 2.4 7.1 5.4 2 79 2 2.7 4.6 1.1 79 2 2.7 4.6 1.1 71 2 2.2 1.7 65 2 69 2 2.2 1.7 65 2 69 2 69 2 69 2 69 2 69 2 69 2 60 2								10.4	3.5					_	134	136		
79 2 4.0 1.1 1.7 8.2 3.7 5 1 77 2 1 4.0 1.1 1.7 8.2 2.2 1 69 2 2.2 1.7 8.2 2.2 1 69 2 2.2 1.7 8.2 2.2 1 59 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1 60 2 6.018.322.319.615.711.3 5.0 1.4 1					. 2	2.4	-	5.4				-			185	1		
77						5.0	3.7								126	126		
75				.5	2	4.0	-								106			
73			.2	.:	,	5.3	:								175	175	1	
69 .2.2 1.7 6.21 652 652 652 652 662 682 692 60			9.		80	1.2									200		32	
692 2.2 1.7 652 652 652 612 652 662 662 672 682 692 692 603 603 6			1.7	8	2										147	147	151	
65 65 63 64 55 57 57 58 57 64 64 65 57 64 65 65 65 65 65 65 65 65 65 65			2	-											50		327	
65 63 61 61 55 55 61 62 63 63 63 63 63 63 63 63 63 63			-	•											17	17	401	36
63 61 55 72 6.018.322.319.615.711.3 5.0 1.4 .1 103 Σ_X^2 Σ_X Σ	_		. 2												2	2	245	61
59 57 58 59 60 61 62 63 64 64 65 64 65 64 65 65 65 65 65 65 65 65 65 65	_																77	405
59 59 59 60 61 62 63 64 64 65 65 65 65 65 65 65 65 65 65																	2	35
55 56 5.2 6.018.322.319.615.711.3 5.0 1.4 .1 1.02 1.03 1																	'	123
$\begin{array}{cccccccccccccccccccccccccccccccccccc$																		
L 2 6.018.322.319.615.711.3 5.0 1.4 .1 110.3 x_x^2 $x_x = x_x$ $x_x = $	-																	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_	•	0	007	2.		5.1	11.3	2.0		1					1200	-	1200
2x ² 2x X σx No. Ob. 4903603 75691 63.1 10.385 1200 20F 532F 7192513 92731 77.3 4.714 1200															1200		1200	
2x ² 2x x σ _x No. Obs. 4903603 75691 63.1 10.385 1200 20F 232F 7192513 92731 77.3 4.714 1200																		
2x ² 2x																		
7192513 92731 77-3 4-714 1200 :0F :32F :67F	Element (X)	2x2			ZX.	-	l×	g*		No. Obs.			Mean No.	of Hours wi	th Tempera	fure		
7192513 92731 77.3 4.714 1200	Rei. Hum.	64	3863		7569		-	0.38	5	1200	20 F	≤ 32 F	₹ 67 F	273 F	2 80 F	2 93 F	L	Total
C CTH CONTRACTOR CONTR	Dry Bulb	715	92513		9273	-		4.71	4	1200			718.8		273.0	0		720.
20166 2116 2116 2116	Wet Bulb	55	78092		8177	+	68.1	2.213	3	1200			547.2				-	720.0
4814443 75957 63.3 2.338 1200	Dew Point	4.8	14443		7595	+	3.3	2.33	8	1200			72.6					720.

Dry Bulb

D.B./W.B.

2 31

29 . 30

21 - 22

--

1.1

4.7

2.4

2.5

80 10

5.1 7.5

004

1.2

0 0

6 6 9

66/

0

189

0

7 . 8

9.5

0

Temp.

000

88/

106

84/83

82/

0

141

0

191

101

72/

198

WET BULB TEMPERATURE DEPRESSION (F)

73-77

BARBERS POINT, HAWAIT

119

1114

114 112 189 205

PSYCHROMETRIC SUMMARY

242

145

145

80

253 253 270 270 10

423

	8
1240	
1240	
1240	

1240

Š

2.3

9.1

9.8

5.815.820.520.413.1

5.6

.2

56/ 07AL

0

58/ 57

Σx²	512008	766517	593645	514094
Q	7		•	*
Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point

744.0

743.4 660.0 307.8 663.0 55.2 157.8 10.2

Total

28

2 80 F

≥73 F

₹ 67 F

₹ 32 ₽

10 F

No. Obs.

12.073

63.1

1240

2.253

59.5

78262 97310 85752 79760

4 00 00

Mean No. of Hours with Temperatu

١			Ele	æ			
	wo:	SERVC	Y:	M	٧A	N	

22514 STATION

PSYCHROMETRIC SUMMARY

AUG

73-77

BARBERS POINT, HAWALL

22514 STATION

Ut 15EAB. TOOS MAI

0

0

T

1

*

8

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

SEP

BARBERS POINT, HAWAIT

HO O D

5 PSYCHROMETRIC SUMMA JAN 68

Temp.	0	-	1.5		7.8	01.0	WET B	ULB TEA	PERATU	RE DEPI	WET BULB TEMPERATURE DEPRESSION (F)	(F)	22 22	. 24 2	6 76 3	WET BUILB TEMPERATURE DEPRESSION (F)	00	12.4	TOTAL D.B./W.B.	TOTAL TOTAL TOTAL	TOTAL	Dear P.
1	1	1					-	2	2	-	20	7 07	777	7 77	07 - 0	97 . /3	30	5	- C. II.	Dry Build	wer bo	nes.
92/ 91												.2	-:						4			
		1					.2			2		-	1	1		1			20			
88/87						. 2	1.2	2 2.7	7 3.5		9.								66			
86/ 85					.3	1.7	4	4.	7 2.	.7			-						171	171		
84/ 83					-	4.5	2.8	~		4.									131	131		_
8 /				120	2.3														102			
1			.2		*														154			
78/ 77		.2	1.2	2.2		1.7				-									177	177	14	
76/ 75		.2	1.8		in							_							143	143		9
1		6			:														119		~	25
			1.7		. 2														55			
70/ 69									Sauces										22	22		7
_			. 2																3			
												_		-							38	
64/ 63														-								
9																						
-																						
3																						
OTAL		1.1	8.71	00	.224.41		7.411.5	6.6	9 7.1	-	.2	.2	7.							1200		1200
											+		-						1200		1200	
		1							-	-	-	-	-	1								
		1						-	-	-	+	+	+	-								-
									-	-	-	-										
		1								-	-	-	1	1								1
		-				+		- 1		_		+				1	1					
Element (A)		X	1		X	+	×	×	×	20	500	+		-	-	Medi	0.01	MIN SING	nembera 1	. 1	1	-
Rel. Hum.		5260923	623		78349	+	65.3	1:	•10.		1200	1	10 F	= 32	2 F	₹ 67 F		≥73 F		2 93 F	_	Total
Dry Bulb		7695098	860		95304	-	19.9	3.	5.039		1200	-				720.0	9	672.0	357.0	0	-	720.0
Wet Bulb		498909	684		8558		71.1	2.	556		1200					0.969	0	221.4				720
Daw Datas			-																			

0000

SES PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

DCT.

73-77

BARBERS POINT, HAWALL

	Wet Bulb Dew Point		T				1.		1	2		1500		100		•	3 37	× ×	0 -	9 (4)	1	2	124				Total	744.0	766.0
TOTAL								0 4		170			241	-	62								1240				-		-
	Dry Bulb	10	200	24	7	1 20	. 7.	1000	2007	1	9	52		•									1240				282		
TOTAL	D.B./W.B.	10	200	24	7	00		100	907	0	40	52	6	•	1								1240			Mean No. of Hours with Temperature	2 80 F	298.2	
	= 31																									is sing	273 F	672.6	28
	29 . 30																									Jo on	-		
	27 . 28																									Mean	2 67 F	743.4	497
	4 25 - 26								1																		≤ 32 F		
	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27		-		-		-		-				-		-		-		-								20 F		-
(F)	20 21 - 2		-		+		+		+		1		-		-		-		-							4	100		
RESSION	18 19 .	4		0 -	-		-		+		-				+		-						0			igo e	1240	1240	040
URE DEP	16 17 .			0 0	7.	2 0	7.	7:	7.		+		-		+		-		-				.3			Ž			
EMPERAT	. 14 15 .	•	2	. 11	2 6	0 4				-	+		-		+		+		+		-		.7 5.			9.	.854	4.851	763
WET BULB TEMPERATURE DEPRESSION (F)	. 12 13		0	20	10		2	7.	+		+		+		+		-						.410				1	-	+
WE	9 . 10 11			0 0	-	6.3	7	0	0	•	1		+		-		1		-		-		.012			-	0.99	78.5	100
	7 . 8 9	7	-			00.1	-1-	20	_	5.5	•	.2	-		+		+		+				1.521.815.012.410.				81827	97308	4700
	5.6 7		+				10		*		_	• 5	1		-		+		+	-			1.52			2	80	0	22
	3.4		+	•	1	:		0			2.4	1.1			+		1		+				9.92				851	328	603
	1.2		1		+		_	•	- 1	•		4	-	•	1		1						2.0			2,2	5573851	7665328	4000
	0		1		-		1		1	7.	-		1		1								.2						
0	-	6 8	0	0 0	0	10	1		13	13		60	1	60	1	0		2		5	64	4	_			8	-ton-	Bulb	9. (b.
Tem	(9)	106	88	000	160	700	200	18/	101	3	121	70	68/	000	100	170	109	28	100	32	201	48/	TOTAL			Flement (7)	Rel. Hum.	Dry Bulb	West Built

NAVWEASERVCOM

0

PSYCHROMETRIC SUMMARY

YEARS

122 228 228 254

70/ 69 68/ 67 66/ 65

72/ 71

0

14/

0

64/ 63

0

62/ 61 60/ 59 58/ 57

0

195 145 3

52/ 51 OTAL

0

1

JAN	68

253

87

6

1200

R(2)

Total

2 93 F

2 80 F

=73 F

₹ 67 F

₹ 32

4 0 F

1200 1200 1200

71.2 12.374

85460

6269770

2.925

75.3 68.5 64.8

3.548

77808 90368

5633157

Wet Bulb Dew Point

5060164

No. Obs.

Mean No. of Hours with Temperature

720.0

13.2

534.6 242.4

699.6 505.2

1																							
TOTAL	Wet Bulb De					1	11	06	196	324	269	194	86	25				1200					
-	Dry Bulb V	23	74	132	107	133	155	218	156	113	55	23	6	7			1200				1		
	D.B./W.B.	23	74	132	107	133	155	218	156	113	55	23	6	2				1200					
T	= 31																						
- 1				-	-	_		-		-		-	-		+	+	+	+	-	 +	+	-	-
	29 - 30																						
1	. 28																						
-	. 26 27							_		_			-		-	-	-	-		 -	-		-
	5 . 2																						
-	24 2		-	-			-	-		-					-	+	+	+		 +-	1		-
	23 .																						
-	. 22 23 . 24 25																						
	2			_		_		_		-		_			-	-	-	-		+	-		-
Z	9 . 2																				1		
ESSIC	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20	4	-	2.						1					+	1	1	+		+	1		1
DEP	17 .																						
TURE	- 16	100	0	.2	~	-	•										2.2						
WET BULB TEMPERATURE DEPRESSION (F)	115	.5	30	-	1	2		-	_	-		-			-	-			_	-	-		-
TEM	3 . 1	•	-	:	•	•											6.4						
BULB	12 1	2	0	.2	d	-		-		1		1			+	+	9.1			 1			1
WET	:		~	3	~																		
	. 10		-	0	2.8		0										8.012.0						
	٥	_	7	-				C	00	10	9	-	_		-	+	010	+		 +	-		+
	7 . 8		•	=	1.8	,		3	00	1.0	9												
	9			7	ō	2	1	-	•	3	-	2	7		+	+	7			T	1		1
	ŝ				-			00		_	•						6.620.525.71						
					. 2	6			0	8	2.0	•	-				.5						
		_		-	_	-	• •	9					in	2	-	-	020	-		 +	-		-
	1 . 2						•	1		-		-		•			0						1

NAVWEASERVCOM

Element (X)

Rel. Hum. Dry Bulb

22514 STATION

BARBERS POINT, HAWALL

0

Temp.

86/85

78/ 79

82/

PSYCHROMETRIC SUMMARY

DEC

YEARS

PSYCHROMETRIC SUMMA JAN 68

	Wet Bulb Dew Point									32				228	1			30		1239									Total	744.0	744.0	744
TOTAL	Wet Bulb							10	9	112	227	285	540	104	90	37	80				1239									-	-	
1	Dry Bulb	5	17	27	108	132	132	108	151	177	148	100	25	45	12	-				1239									≥ 93 F			
	D.B./W.B. D	5	11	51	108	132	132	108	151	177	148	100	55	42	12	~					1239							Mean No. of Hours with Temperature	≥ 80 F	148.9		
	= 31																											Hours wi	=73 F	422.7	42.0	
- 1	28 29 . 30		-		-										1				-									ean No. of	≥ 67 F	-		
	. 26 27 .		1	_	+								-		1		-		-				+	-	-	+		*		0	*	
	. 24 25																											-	= 32			
	. 22 23				1														-				+						20 F			
(F)	0 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23			-											1				-									1	66	68	39	-
DEPRESSI	17 . 18		1	.2															1	9.								No. Obs.	1239	1239	1239	-
WET BULB TEMPERATURE DEPRESSION (F)	15 . 16		.5			-														3.6									96	5.574	80	
ILB TEMP	13 - 14	2		1.6	2	-		3.	_	2										6.2								o x	13.796	5.5	3.480	-
WET BU	11 . 12						0 2.3	5		4 .2		1								1111.1								×	8.69	74.0	6.99	
	9.1		•	•	5	4 2.	7 3	1 2.	.1	7	•	•	2						-				+						-	-		ŀ
	8 . 7 . 8			•	2	-		2 2	1	3	0	3 .6	00	•	2	_			1	615.		-	-	-	-	-		Z,x	86533	91743	829	-
	4 5.					.1 1.	9			6 5.			. 0.	6	•				+	920		-	+	-	-	-		+	1	6	65	-
	2 3.	-		_					0	4			2	. 7	9	•1			1	8.219.920.615.713.		-	+	+		-	-	- 2	6279197	6831679	56186	
	0 1.								.2	-	.3	1 4		.1					1	90			+					2x2	9	9	2	
	L	87	85	83	81	19	11	75	73	71	69	67	69	63	61	66	57	55	23	5		-	-	1		+		8	E.	di	dlu	
Temp	€	_	198	_	82/	_	181	-	141	-	101	-	199						- 1	52/ TOTAL			1					Element (X)	Rel. Hum	Dry Bulb	Wet Bulb	

8

1

0

BARBERS POINT, HAWALL

PSYCHROMETRIC SUMMA

73-77

BARBERS POINT, HAWALL

> 63 63

189

199

0

149 62/

69

72/

0

181

0

74/

78/

61

66 /09

58/ 57 56/ 55

0 0

52/ 51

145

43

194

1

DTAL

48/ 47

1057

3419 2599

NAVWEASERVCOM

Element (X)

Rel. Hum.

8760.0

8372.06219.32550.3 6259.1 823.8 1.8 2157.3 199.8 .6

8760.0

8760.0

Total

2 93 F

280 F

273 F

2 67 F

= 32

20 F

12.496 5.655

67.8 76.0 68.2 64.1

990827

69490867

14606 14606 14607

3.748

1110073 996015 935655

68084897

60142923

Dew Point

Wet Bulb Dry Bulb

1

4606

105

212

22514 STATION

89

106

126

(F)

88/87

85

86/

84/

82/

DRY-BULB TEMPERATURES DEG F FROM MOURLY DESERVATIONS

STATION	1	STATIO	12	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0.5	S. D. TOTAL OBS	3,883	3.616	3.259	69.8 2.728 150	1.980	72.4	73.6 2.259	74.7	74.7 2.216 150	74.0	71.1	69.7 3.666 155	71.4
50	S. D. TOTAL OBS	4.101	3.493	3.488	3.156	70.2	71.3	72.7	73.7	73.7	73.0	70.3 3.073 150	69.1 3.864 154	3.730
90	S. D. TOTAL OBS	3.643	3.304	71.4	73.8	76.2 2.290 155	78.0 2.109	1.967	1.938	1.734	78.2 2.440 155	2.701	3.787	74.9
=	S. D. TOTAL OBS	2.600	3.251	78.8 2.624 155	79.1 2.310 150	80.8 2.457 155	82.1 2.225 150	2.034	1.998	1.828	83.8 2.895 155	80.9 2.823 150	80.0 2.974 155	3.577
4.	S. D. TOTAL OBS	2.709	3.279	2.512	3.038	81.5	2.347	2.278	85.8 2.229 155	2.123	2.818	81.1 2.772 150	3.093	82.1 3.616 1826
1.1	S. D. TOTAL OBS	2.628	3.103	2.743	2.651	2.299	1.989	82.9 2.028 155	1.765	1.826	2.371	78.6 2.373 150	78.2 2.547 155	3.464
20	S. D. TOTAL OBS	72.7 2.841	71.2 2.918	2.701	72.5 2.078 150	1.689	76.0	77.0 1.327 155	1.870	1.666	77.1 2.257 155	74.2 2.323 150	72.8 2.807 155	74.7 3.316 1826
23	S. D. TOTAL OBS	3.454	3.239	70.4 2.896 155	2.463	1.759	73.9	75.0	76.2 2.122 155	2.062	75.3 2.202 159	72.4 2.806 150	3.329	3.479
ALL	S. D. TOTAL 085	73.4 5.336 1240	72.0 5.580 1128	73.4 5.219 1240	4.890	4.719	4.714	78.5	19.5	5.040	78.5 4.851 1240	1200	5.575	76.0 5.656 14606

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22514		BARBERS P	POINT, HA	HAWAII			73-77	11						
STATION			5	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	NOT	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95	S. D. TOTAL OBS	63.1	61.1 4.025 141	61.4 3.221 155	3.128	63.1 2.527 155	63-1	2.482	2.504	2.502	3.220	3.049	3.974	3.494
0.5	S. D. TOTAL OBS	62.9 4.172	4.110	61.2 3.316 155	3.243	62.8 2.581 155	62.9	2.416	2.768	65.8 2.321 150	3.387	63.9 3.146	62.0 4.105	3.571
90	S. D. TOTAL OBS	3.924	62.2 3.760	3.322	3.606	2.793	2.135	65.7 2.765 155	67.5 2.922 155	2.492	3.233	3.102	3.879	3.606
=	S. D. TOTAL OBS	3.920	62.9 4.096 141	62.5 3.658 155	63.5 3.903 150	63.4 3.239 155	63.6 2.575	3.222	3.104	3.085	3.326	65.5 3.842 150	63.6	3.893
*	S. D. TOTAL OBS	3.983	62.7 4.166 141	3.788	63.3 3.928 150	3.524	63.5	63.9 3.406 155	3.692	67.3 3.393 150	3.904	65.1 4.140 150	63.3 4.730	4.127
1,1	S. D. TOTAL OBS	64.7 4.032	62.2	62.1 3.505 155	62.8 3.696 149	63.0 3.335 155	63.0	3.223	3.099	3.239	3.597	3.827	63.2	3.873
50	S. D. TOTAL OBS	3.912	61.7	3.060	62.9 3.259 150	63.3 3.021 155	62.9 2.058 150	64.1 2.561 155	2.686	2.664	3.502	3.352	63.1 3.913 155	3.584
23	S. D.	63.9 4.120	3.861	3.153	3.139	63.3 2.637 155	1.984	2.699	2.605	2.429	65.2 3.301 159	3.524	62.7 4.019 155	3.543
ALL	S. D. TOTAL OBS	4.087	61.8 4.124 1129	3.440	63.1 3.521 1199	63.3 2.996 1240	63.3	2.921	2.979	2.869	3.484	3.548	62.9 4.211 1239	3.748

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22514	848	BARBERS P	POINT	HAWAII			73-77	11						
STATION			18	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN S. D.	4.50	63.5	64.2	65.3	66.0	66.3	67.4	69.1	0.69	5.89	66.6	3.209	3.00
90	TOTAL OBS	153	141	-	1	3		-	-		-	-	-	182
	MEAN	65.0	63.0		2	5.4	5	7	8	8.5	7.6		*	
60	S. D. TOTAL OBS	3.777	3.413	2.932	2.711	1.994	1.597	1.763	2.311	1.934	2.339		3.402	3.14
							1			1	1			1
	WEAN	1.99	64.5	66.2	10	4	0	0	4	0	41	m .	0	
90	S. D. TOTAL OBS	3.365					1.537							3.23
			1		1	1	1	1)			•		
	MEAN	69.69		68.	6	6	.6	0	2		3			
11	S. D.	2.628		2.343	-	1.760	1.617	1.774	1.837	1.841	2.071	~	2.673	2.71
	TOTAL OBS	155	141	15	-	13	15	1.5	15	15	13	15	15	8
	MEAN	6.69	48.2	100	6	6	6	ċ		6	2	0	6	0
14	S. D.	2.523	2.737	2.348	2.482	2.035	1.700	1.789	2.111	1.857	2.308	2.316	2.775	2.75
	TOTAL OBS	155	*	15	-	15	-	15	15	13	15	15	15	18
	MEAN	69.1	67.3	1	80	23	0	6		2	-	0	00	6
11	S. D.	2.687	2.89		2.404	1.828		m		1.898	2.219	2.446	2.619	2.70
	TOTAL OBS	159			1	15		-		-	15	-	15	18
	MEAN	67.3	65.2	65.	9			100			6	00		-
20	S. D.	3.040	3.21	2.31					0	0	2,302	2.433	2.874	2.86
	TOTAL OBS	155	1	1	150		-			150	-	-	-	18
	MEAN	66.3	54.5	64.	100	.0	9	63	6	7.6		7.4		
23	S. D.	3.483	3.19	2.61	2.407	1.797	1.531	1.761	2.056	1.877	2.101	2.767	3,054	2,97
	TOTAL OBS	155		1	15	15	-	-	-	13	15	5	15	8
	MEAN	67.3		144	1	1	a	0	1	1.	6	200		00
ALL	S. D.	3.666	3.660	3.03	2.915	2.410	2.214	2.23	2.480	2.556	2.753	2.926	3.480	3.35
CHOOL	TOTAL OBS	1240		12	=	12	12	12	12	12	12	13	12	-

RELATIVE HUMIDITY

22514 STATION

BARBERS PUINT, HAWAIT

PERIOD

LAN

	HOURS			PERCENTA	AGE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	SATER THAN			MEAN	TOTAL
MONIH	(1.5.1.)	10%	20%	30%	40%	%05	%09	%02	%08	%06	HUMIDITY	OBS.
JAN	05	100.0	100.0	100.0	100.0 100.0 100.0	100.0	98.7	1.68	0.09	3.9	81.1	155
	0.5	100.0	100.0 100.0	100.0	100.0	100.0	98.7	92.3	66.5	8.4	82.0	155
	90	100.0	100.0	100.0	100.0	100.0	98.1	89.7	4.89	14.8	85.6	155
	11	100.0	100.0	100.0 100.0	100.0	93.5	0.09	23.2	7.1		0.40	155
	14	100.0	100.0 100.0	100.0	4.66	99.0	52.3	18.7	8.8	1:3	61.8	155
	11	100.0	100.0 100.0 100.0	100.0	100.0	95.5	58.7	7.73	0.6		0.50	155
	20	100.0	100.0	100.0	100.0	100.0	34.5	78.1	28.4	1.9	75.2	135
	23	100.0	100.0	100.0 100.0	100.0	100.0	98.7	87.7	51.0	1:0	79.1	155
						Y .						
101	TOTALS	100.0	100.0 100.0 100.0	100.0	6.66	97.3	82.4	4.69	37.0	4.2	73.9	1240

OFO

RELATIVE HUMIDITY

22514 BARBERS POINT, HAWAII

NO

73-77

E 8100

.

1	HOURS			PERCENTA	AGE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	SATER THAN			MEAN	TOTAL
WOW.	(LS.T.)	10%	20%	30%	40%	20%	%09	70%	80%	%06	HUMIDITY	088.
F E 8	05	100.0	100.0	100.0	100.0 100.0 100.0 100.0 100.0	100.0	97.2	90.1	53.9	7.8	80.1	141
	90	100.0	100.0	100.0 100.0 100.0 100.0	1	100.0	97.2	4.68	63.1	7.1	81.2	141
	90	100.0	100.0	100.0 100.0 100.0 100.0	100.0	99.3	97.2	86.5	56.7	15,1	60.7	141
	==	100.0	100.0 100.0	100.0	99.3	90.1	46.8	13.5	4.3		61.2	141
	•1	100.0	100.0 100.0	100.0	97.9	83.7	35.5	11.3	5.0	1:4	59.5	141
	11	100.0	0.001 0.001 0.001	100.0	98.6	9006	50.4	14.2	5.0		91.8	141
	50	100.0	100.0	100.0	100.0	97.9	93.6	65.2	14.2		72.5	141
	23	100.0	100.0	100.0 100.0 100.0	100.0	99.3	97.9	83.7	39.0	2.8	77.1	141
101	TOTALS	100.0	100.0	100.0 100.0	86.8	95.1	77.0	56.7	30.2	4:2	71.7	1128

RELATIVE HUMIDITY

22514 STATION

BARBERS POINT, HAWAIT

THOM	HOURS			PERCENTA	GE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
WOW I	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	80%	%06	HUMIDITY	OBS.
HAR	05	100.0	100.0	0000 100.0 100.0 100.0	100.0	100.0	98.1	82.6	38.1	5.6	77.2	155
	60	100.0	100.0	100.0	100.0	100.0 100.0 100.0 100.0	100.0	87.1	45.2	4.5	78.8	159
	90	100.0	100.0	0000 100.0 100.0 100.0	100.0	100.0	8.96	71.¢	32.9	4.5	15.9	155
	11	100.0	100.0	100.0	100.0	80.6	31.0	4.1	3.9		58.0	155
	*1	100.0	100.0 100.0	100.0	98.1	4.89	18.7	3.2	1.3		54.7	155
	1.7	100.0	100.0	100.0 100.0	100.0	89.7	36.1	13.5	1.9		99.4	155
	20	100.0	100.0	0.00 100.0 100.0	100.0	9.66	92.3	52.3	10.3	.•	70.5	155
	23	100.0	100.0	100.0 100.0 100.0 100.0	100.0	100.0	97.4	71.0	23.2	1.9	74.6	155
101	NATO STATE							1 11				
2	ALS	100.001	100.0	00.00 100.0	99.8	92.3	71.3	0.67	19.6	1.8	68.6	1240

RELATIVE HUMIDITY

BARBERS POINT, HAWAII 22514 STATION

0

0

0 00

73-77

APR

TACH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL
WOW I	(L.S.T.)	10%	20%	30%	40%	20%	%09	70%	%08	%06	HUMIDITY	088.
APR	98	100.0	100.0	100.0 100.0 100.0 100.0 100.0	100.0	100.0	100.0	87.3	44.7	5.3	78.7	150
	60	100.001	100.0	0.001 0.001 0.00	100.0	66.6	99.3	92.0	52.7	12.0	9008	150
	90	100.0	100.0	100.0 100.0 100.0 100.0	100.0	86.3	91.3	58.0	16.7	1;3	71.9	150
	=	100.0	100.0	100.0 100.0 100.0	100.0	79.3	40.7	12.0	4.0	1,3	59.6	150
	14	100.0	100.0	100.0 100.0 100.0	100.0	74.0	33,3	7.3	0.4		57.4	150
	1.7	100.0	100.0	100.0	98.7	89.3	38.7	12.0	4.0		86.65	150
	20	100.0	100.0	100.0 100.0 100.0	100.0	86.66	97,3	0.89	10.7	.5.	72.1	150
	23	100.0	100.0	100.0	100.0 100.0 100.0	100.0	99.3	80.7	28.7	2:1	76.0	150
101	TOTALS	100.001	100.0	00.00 100.0	8.66	92.6	75.0	52.2	20.7	5.9	69.5	1200

RELATIVE HUMIDITY

BARBERS POINT, HAWALL 22514 STATION

0

0

0

20

0

0

0

0

0

Q

0

0

73-77

PERIOD

MAY

n n	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
E NOW	(L.S.T.)	10%	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
Y A Y	05	100.0	100.0	100.0 100.0 100.0 100.0 100.0 100.0	100.0	100.0	100.0	81.3	30.3	3.9	76.4	155
	90	100.0	100.0 100.0	100.0 100.0	100.0	100.0	4.66	2.	39.4	4.5	7.77	155
	90	100.0	100.0	100.0 100.0 100.0 100.0	100.0	90.66	17.4	28.4	7.1	3.9	6.99	155
	7	100.0	100.0 100.0 100.0	100.0	91.4	78.1	21.3	6.5	5.6		1.96	155
	*	100.0 100	100.0	100.0	98.1	63.2	26.5	8.8	1.3		55.0	155
	11	100.0	100.0	100.0 100.0 100.0 100.0	100.0	77.4	23.2	11.6	3.9		57.4	155
	20	100.0 100	100.0	100.0 100.0	100.0	100.0	90.3	36.8	14.2	1.3	69.5	155
	23	100.0	100.0	100.0 100.0 100.0 100.0 100.0	100.0	100.0	98.1	4.89	18.7	5.6	73.7	155
								1				
0	TOTALS	0.001	0.001	100.0	4.66	8.00	67.0	404	16.7	1,5	9,99	1240

RELATIVE HUMIDITY

BARBERS POINT, HAWALL 22514

0

0

0

10

0

0

73-77

PERIOD

NONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOTAL	088.	150	150	150	150	150	150	150	150	1200
MEAN	HUMIDITY	72.8	75.1	65.9	54.1	\$2.4	53,9	64.1	69,3	63.1
	%06									
	%08	11.3	26.7	۲.		۲.			1.3	5.2
ATER THAN	70%	10.0	78.7	13.3		1.3	2.7	12.7	46.7	28.3
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	99,3	7.86	0.09	15.7	12.0	12.0	16.0	96.7	58.9
OF RELATIVE	%05	100.0	100.0	99.3	70.0	62.0	72.0	100.0	100.0	87.9
GE FREQUENCY	40%	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0	100.0	98.0	100.0	100.0 100.0 100.0 100.0 100.0	100.0	9.66
PERCENTA	30%	100.0	100.0	100.0 100.0 100.0 100.0	1	100.0	100.0	100.0	100.0	100.0 100.0 100.0
	20%	100.0	100.0	100.0	100.0 100.0	100.0 100.0 100.0	100.0 100.0	100.0	100.0	100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
HOURS	(LS.T.)	05	90	90	==	14	11	20	23	TOTALS
HINOM		205								101

RELATIVE HUMIDITY

BARBERS POINTS HAWALL 22514 STATION

0

0

0

20

73-77

PERIOD

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MEAN TOTAL	-	72,7 155	74.9 155	64,8 155	53,7 155	50.6 155	53,6 155	64.8 155	69.8 155	
9	90% HU	2.6 7	5.8 7	9 9.	•	50	1,3 5	1,3 6	5,6	-
	%08	17.4	22.6	7.7	9.		1.3	3.2	14.8	
ATER THAN	%02	0.09	72.9	23.2	3.2	5.0	1.9	21.9	38.1	
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	97.4	96.1	0000	19.4	11.6	21.3	9.09	87.7	
OF RELATIVE	20%	100.0	100.0	4.66	61.3	45.8	59.4	100.0	100.0	
SE FREQUENCY	40%	100.0	100.0	100.0	97.4	88.4	4.66	100.0	100.0	
PERCENTA	30%	100.0 100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0 100.0 100.0 100.0	
	20%	100.0	100.0		100.0	100.0	1		100.0	
	10%	100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0	
HOURS	(LS.T.)	0.5	60	90	11	+	17	20	23	
- TAON	WOW I	101								

0

0

0

0

0

0

S S S

RELATIVE HUMIDITY

BARBERS PUINT, HAWAIT 22314 STATION

0

0

NO

0

0

73-77

PERIOD

AUG

NOOP	OBS.	155	155	155	155	155	159	155	155		1240
MEAN	HUMIDITY	75.4	77.3	67.4	56,3	52.8	55.5	96.8	72.3		65.5
	%06	1:0	5.6	1.3					9.		
	%08	16.8	30.3	7.1	•		9.	1.9	0.6		8.3
ATER THAN	%02	90.08	37.1	32.9	3.9	5.8	3.9	29.0	64.5		38.5
HUMIDITY GREA	%09	98.7	98.1	76.8	30.3	19.4	21.3	81.9	97.4		65.5
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%05	100.0	100.0	100.0	78.1	4.84	19.4	100.0	100.0		88.2
GE FREQUENCY	40%	100.0	100.0 100.0	100.0	4.66	96.1	4.66	100.0	100.0		4.06
PERCENTA	30%	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0 100.0 100.0		100.00
	20%	100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0		0.001 0.001
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	05	60	90	=	14	17	20	23		TOTALS
n Lincon	MONIN	AUG									101

OF

RELATIVE HUMIDITY

BARBERS POINT, HAWAII 22514 STATION

73-77

SEP

		PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL NO. OF
20%	20	30%	40%	80%	%09	70%	%08	%06	HUMIDITY	OBS.
100	0	0.001	100.0 100.0 100.0	100.0 100.0	100.0	77.3	24.0	1:3	75.0	150
ŏ	0.0	0.00	100.0	100.0 100.0 100.0 100.0 100.0 100.0	100.0	87.3	29.3	2.0	76.8	150
Š	100.0 100.0	100.0	100.0	100.0	83.3	23.3	2.7		8.99	150
100	0.0	100.0 100.0 100.0	99.3	69.3	23.3	1.3			54.9	150
100	100.0 100.0 1	100.0	97.3	64.7	24.0	2.7	1.3		54.5	150
90	0	100.0 100.0 100.0 100.0	100.0	70.7	34.7	0.9			56.1	150
100.0 100.0	0	0.00	100.0 100.0	100.0	84.0	24.0	2.7		9,99	150
8	0	0.00	100.0 100.0 100.0 100.0	100.0	7.86	55.3	11.3		71.9	150
100	•	0.001	4 00		4	7.4.7	0		68.3	1200

RELATIVE HUMIDITY

STATION

0.

BARBERS POINT, HAWAIT

73-77

PERIOD

DCT.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	159	155	155	155	155	155	155	155	1240
MEAN	HUMIDITY	74.2	73.7	67.7	56.5	59.5	58.8	68.3	71.6	0.99
	%06	1.9	1:9	•			.•	1:9	1,3	13
	%08	21.3	31.6	0.6	2.6	3.2	3.2	8.4	11.0	11.3
ATER THAN	20%	76.8	19.4	36.1	8.4	5.5	4.7	38.7	61.9	39.5
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	94.8	97.4	78.7	28.4	22.6	36.1	82.6	92.3	9.99
OF RELATIVE	20%	97.4	97.4	98.1	71.6	68.4	7.78	96.1	96.8	89.2
GE FREQUENCY	40%	4.66	4.66	100.0	100.0	4.76	100.0	4.66	4.66	4.66
PERCENTA	30%	100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0
	20%		100.0	100.0	100.0 100.0		100.0 100.0		100.0	0.001
	10%	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100,0
HOURS	(LS.T.)	0.2	90	90	11	14	17	20	23	TOTALS
n in in	HINOW	100								10

a = 0

RELATIVE HUMIDITY

BARBERS POINT, HAWALT 22514 STATION

73-77

NON

CUMULATIVE PREDICTIONS OCCURRENCE (COMPANY) OBSERVATIONS)

TOTAL	OBS.	150	150	150	150	150	150	150	150		1200
MEAN	HUMIDITY	19.6	80.4	76.3	60.5	59.3	4.69	73.2	17.1		71.2
	%06	6.7	6.3	0.0					1.3		3.1
	80%	47.3	52.0	32.7	4.7	0.9	6.7	17.3	37.3		25.5
ATER THAN	20%	88.0	0.06	71.3	18.0	16.0	20.0	65.3	16.0		92.6
HUMIDITY GRE	%09	98.7	100.0	94.7	44.7	0.44	56.7	92.7	66.3		78.9
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	100.0	100.0 100.0 100.0 100.0 100.0 100.0	66.6	86.7	78.0	92.0	10000	100.0		94.5
GE FREQUENCY	40%	100.0	100.0	100.0	98.0	97.3	86.66	100.0	100.0		86.66
PERCENTA	30%	100.0 100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0 100.0 100.0		100.0
	20%	100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0 100.0 100.0	100.0 100.0	100.0		100.0 100.0 100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(LS.T.)	0.5	60	90	=	14	1.1	20	23		TOTALS
HINOM		NOV									TOT

RELATIVE HUMIDITY

BARBERS POINT, HAWALL 22514 STATION

73-77

DEC

1	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
MONIH	(L.S.T.)	10%	20%	30%	40%	%05	%09	70%	%08	%06	HUMIDITY	OBS.
DEC	05	100.0	100.0	100.0 100.0 100.0	100.0	4.66	94.8	76.8	46.5	7.1	78.0	155
	90	100.0	100.0 100.0	100.0	100.0	100.0	96.1	6.64	48.1	9.1	78.8	154
	90	100.0	100.0 100.0 100.0		100.0	100.0	92.9	4.64	47.1	10.3	78.0	155
	==	100.0	100.0 100.0	100.0	8.96	77.4	35.5	12.9	4.5	1.3	58,3	155
	1,4	100.0	100.0 100.0	100.0	95.5	69.7	30.3	12.3	5.2	1.3	56.7	155
	1.1	100.0	100.0	100.0	98.1	87.7	43.2	18.1	4.5	.•	6.09	155
	20	100.0	100.0	100.0	100.0	98.1	8006	61.3	20.0	3.9	72,3	155
	23	100.0	100.0 100.0	100.0	100.0	98.7	93.5	74.2	34.2	7.1	76.0	155
TOT	TOTALS	100.0	100.0 100.0	100.0	98.8	91.4	72.1	51.9	26.3	5.1	69.69	1239

0 E

RELATIVE HUMIDITY

22514 STATION

0

BARBERS POINT, HAWAII

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

na.	HOURS			PERCENTA	GE FREQUENCY	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL
MONIE	(LS.T.)	10%	30%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	OBS.
JAN	ALL	100.001	100.0	100.0	6.66	97.3	82.4	63.4	37.0	4.2	73.9	1240
FEB		100.0	100.0 100.0	100.0	89.5	95.1	77.0	56.7	30.2	4.2	71.7	1128
MAR		100.0	100.0 100.0	100.0	99.8	92.3	71.3	0.64	19.6	1.8	9.89	1240
APR		100.0	100.0 100.0	100.0	8.66	95.6	75.0	52.2	20.7	5.0	69.8	1200
MAY		100.001	10000	100.0	4.66	89.8	67.0	40.4	14.7	2.1	9.99	1240
NO C		100.0	100.0 100.0	100.0	99.8	87.9	58.9	28.3	5.5		63.1	1200
300		100.001	100.0	100.0	98.2	83.2	56.8	28.0	8.8	1.8	63.1	1240
AUG		100.0	100.0 100.0	100.0	4.66	88.2	65.5	38.5	8.3		65.5	1240
SEP		100.0	100.0 100.0	100.0	9.66	88.1	68.5	34.7	8.9	.•	65.3	1200
130		100.0	100.0 100.0	100.0	4.66	89.2	9.99	39.5	11.3	1:1	0.99	1240
NO.		100.0	100.0 100.0	100.0	86.3	94.5	78.9	55.6	25.5	3.1	71.2	1200
DEC		100.0	100.0 100.0	100.0	98.8	9116	72.1	51.9	26.3	5.1	6.69	1239
0	TOTALS	100.0	100.0 100.0	100.0	4.66	90.8	70.0	44.9	18.0	2.3	67.9	14607

ш	
m	
=	
_	
-	
4	
~	
ш.	
ш	
0	
₹	
<u></u>	
ш	
-	
•	
œ	
_	
4	
-	
ш	
0	
•	
>	
~	
O	L
Z	-
ul	-
-	
=	
σ	
ш	
~	
-	
ш	
ш	
G	
1	
Z	
ш	
7	
2	
u.	
EF	
PEF	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	

BARBERS POINT, HAWAII

22514 STATION

≥ z z ≈

TEMP. 122+

JANUARY 1973-DECEMBER 1977

JANUARY

ALL

			WIND DIRECTION	ECTION					
NN S	S E	ESE & SE	SSE & S	\$5W 8.5W	wsw & w	wnw wn 8	CALM	TOTAL FREG.	% OF

25.4 25.4 27. 25.6 10.7 22. 34.6 4.4 10. 48.1 1.1 45.1	4.01		.2 20.		
	30.0 30.0 30.0	12	10		
30.0		10.	1.1		
	25.4 43.9 70.0 100.0	25.4	34.6	30.0	

62 10 66

19 01 72

72 10 76

77 10 81

17 07 79

92 10 96

111 07 701

112 70 116

117 TO 121

27.1 27.8 29.2 9.8 9.8

336 236 336

2.8

2.98

12.5

0.0		10.0	 0.00	0.00 1.49 0.1	0.1	TOTALS
	0		7 76		-	-59 & LWR
						-58 TO-54
		-	-	1		-53 10-49
						-48 10-44
						-43 TO -39
						-38 10-34
						-33 TO-29
						-28 10-24
						-23 TO-19
						-18 TO-14
						-13 TO -9
						-8 10-4
						-3 10 1
						2 TO 6
						7 10 11
						12 TO 16

17 10 21

22 10 26

32 10 36

27 10 31

1239 100.0

0

5.0

WIND DIRECTION

BLRBERS POINT, HAMAII

22514

JANUARY 1973-DECEMBER 1977 FEBRUARY

70

ALL

TENES.	11 A 12 A	MASE A NE	3.5	515 515 515 515 515 515 515 515 515 515	138 2.5	55.m	111.5 M	11 W 11 2	CALM	TOTAL RREG.	7 04 TOTAL
12:											
1210151											
112 10 116											
III OT TO											
80 CL 20											
101 01 76											
12 TO 95											
R 10 H			1								
82 TO 86		15.0		30.0	12.5	2.5		2.5		04	3.5
77 TO 81				12.3	19.9	6.3	5.9	4.7		236	
72 10 76	2.3			3.1	11.5	3.00	5.4	3.1	• 3	288	
17 07 78	2.5		47.1	1.1	ero	1.1	1.1	.3	.3	196	
62 TO 66	3.00		37.5		. 5	. 5			2.2	184	
19 01 72										0	
52 TO 56		100.0								-	-
12 07 04											
A2 TO 46											
D 10 41											
N 10 M											
77 TO 31											
22 70 26											
17 10 21											
12 70 16											
7 10 11											
2 10 6											
-3 70 1											
470-4											
4-13-10-4											
+18.10-14											
PI 10-19											
-28 TO -34											
-22 70-29											
-18 TO-14											
-61 10-39											
-48 TO-44											
-SI TO-48											
42-01-82											
-59 & UNR											
TOTALS	2.1	33.4	43.5		0.	2	2.2	0.0		1128	1728 100.0

NAVWEASERVCOM

1

5.6 26.8 32.8 5.9

69 332 407 407 14

E . 5.

2 2 2 2

4.3

200

1.5

56.3 65.4 45.3

4.3 17.5 37.1 51.2

2.3

72 10 76

77 70 81

17 07 78 62 TO 66 57 10 61 52 10 56 32 TO 36

27 TO 31

22 TO 26 17 10 21 12 TO 16

12 01 74

4.1

82 10 86

101 01 76

112 70 116 111 OT 701 102 70 106

117 70 121

_ #33

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

BARBERS POINT, HAWAII

22514 STATION

JANUARY 1973-DECEM

WIND DIRECTION

wsw &

NN W

CALM

\$ 5W

SS &

ESE S SE

N 4

Z Z

3 Z

TEMP. 122+

TOTAL FREG.

% OF TOTAL

4/3		
-		
i		
100		
a.		
Œ		
3		
0		
OI		

112	
i	
10	
a:	
- 1	
0	
T	

i	
a o	
0	
T	

1	
a:	
TOH	
T.	

.1		
a a		
r		
		г
		1

i			
2			
O F			

4/3	
-1	
20	
a:	
5	
0	
T.	
_	
	i

12			
3			
0			
2			
			_
		ł	
		1	

1		
a o		
0		
T		

9		
2		
2		

1		

43		
1		
a		
O		

12		
7.		
1		
10		
ĭ		
5		
0		
D I		
•		
		ł

a	

2-	
4/3	
i	
4	
an ac	
3	
OI	

-1		
a:		
0		
T.		

8		
X D		
O		

1	
43	
i	
a c	
0	
T	

*				
ž				
O				

1		
a.		
15		

۲.	
613	
4	
100	
a	
2	
T	

1	2-	
1		
ł	4/3	
۱		
1	.1	
1		
1		
J	40	
1	a	
1	3	
١	0	
١	70	
	T	

200	
-63	
-1	
100	
10	
α	
3	
0	
T	

1	
63	
l i	
-	
100	
a	
3	
0	
100	

200	
1	
a o	
0	
T	

48	
i	
-1	
a o	
a	
0	
T	

	-1	
•		
•	60	
	3	
	0	
1	0	
_		

-		
	40	
	a	
	0	
	T	
_		

7	
60	
0.0	
I	

ĸ.	-6/3	
п		
и	1	
ı		
ä		
и	Circ.	
9	900	
П	O.	
1	3	
и	0	
П	790	
ч		
ı		
1		

1	0	
1	T.	
11		
1		
	1	НОП

I	
MARC	TONTH

Alexander .	1
	15
	12
	0
	12
	1
	1
	1
	1
	1
-	
-	
-	1



		1	
	_	1	
		•	
S			
	0	. 1	
3	-	3	
		Į	
	œ	-	
		. 1	
	•	٠,	
	3.5		

	I	Σ	
	Į		
	ł		
	ł		
-	,		
ò			
٠.	l		
~	ï		
	ł		









4			
ŝ			
ı			
	E		
	Z		
	0		
	2		



-	NTH	
	No	
	1	

		1		
ì	-	-		
		•		
	7	•	l	
•	1	1		
•	2			
ï			Ł	

	-
-	
-	
0	1
-	



	1:	8		
)			
	1			
•				
	1			

•	T	
	1	
	6	
	15	
	1 -	
	1	
	1	
	1	
	1	
	4	

E	
Z	
0	
2	
1	
1	

1	
197	
-	
-	

	M	
-		

-	
7	
19	
œ	

-	
-	
13	
-	
1	
œ	
8	
an l	

_			
	1		
-			
1	ı		
3			

-	
-	
13	
ER	
an l	











1240 100.0

.

1.9

1.1

* . *

0.0

5.2

39.4

1.53

0

TOTALS

-53 TO -49 58 10-54

-48 TO-44

-18 10-14

-13 10 -9

-3 10 1 -8 10-4

-23 10-19 -28 10-24 -33 10-29 -38 10-34 -43 TO -39

NAVWEASERVCOM

24.6 35.8 3.8 3.8

9

90 458 333

3.3

2.0

3.1

80.0

100.00

113.3

101 OT 79

102 TO 106

92 10 96 16 01 78 82 70 86 77 10 81 72 10 76 17 07 79 62 TO 66

117 10 121

122+

4.3

100.0

47 TO ST 42 TO 46 37 TO 41 32 10 36

52 10 56

57 70 61

27 10 31

7 70 11

12 70 16

6.7 11.2 12

8+3

1196 100.0

1.4

6.

1.3

0.4

5.3

62.5

23.3

1.3

TOTALS

-18 70-14 -23 10-19 -28 TO -24 -33 10-29 -38 70-34 -43 10-39 -48 TO-44 -53 TO-49 -58 TO -54

-13 10 -9

-8 10-4

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

1973-DEC JANUARY

BARBERS POINTS HAWAII

22514 STATION

WIND DIRECTION

5 5

ESE S SE

W W

N N N

N N N

WNW & wsw &

CALM

FREG.

ö

TOTAL

a			
0			
I			
		- 1	۳
		- 3	
		-1	
		п	
		- 1	
		_	

١		n:		
1	0			
Į	1	2		
١	3	Ċ.		
ı				

ı	1	
	випон	

a	
0	
	- 1

1.2		
1.1		
•		
Uh:		
. 66.		
- 25		
10		
-		
1		
•		н
		н
		П

ŧ	un:	
	0	
1	E O	
-		

•	407	
-		
,	-1	
	63	
	a	
	3	
	0	
	I	

1	-	
ŧ.	UT:	
	a	
	3	
	0	
	X.	
	,	

-	
un.	
a	
ö	
T.	
	HOURS L.

L. 5				
1				
-A				
-				
U3				
~				
44:				
-3				
0				
=				
-				
	ROOM	8 a non	8 a non	0 0 1



-	h	
•	47	
-		
	1.	
а	-	
6	Uh:	
	a	
	3	
- 1	0	
	Ť	
- 1		



3		
,	-	
ı	un.	
	a	
	2	
	ž	
	1	

•		
4	un:	
	a	
	0	
	I.	
-	,	





	10.70	
	-1	
	-	
4	63	
	a	
	- 3	
- 1	12	
- 1	*	
- 1		
•		



9	41		
-1	10.75		
,	-		
	63:		
- 1	a		
- 1	3		
- 1	0		
- 1	X.		

	411	
,	-1	
•		
•	01	
	(I	
	38	
	10	
	-	

4	-
-	41
	a.
	3
- 1	0
	T
- 1	
-	
-	
-	
_	
~	
a	

_	
-	1
œ	1
0	
4	x
	2
	0

_	
-	1
œ	
0	
4	
	6
	ő
	2

_		
-	1	
œ		
0		
«	x	

_	
-)
œ	
0	
4	
	2
	5



_	
-)
œ	
0	
4	
	0
	2





















-	1	
4	١.	
	1:	
	12	
	18	8
	1	
	1	
	1	
	1	
	1	

1	
1 2	
1	
0	
2	
,	
	MONTH











	15	
	0	
	13.	
	10	
	1	
	ł	
_	1	

ĸ	1	
L	1	
G.		
	1	
	0	
	2	
	1	
	1	

2			
•	12		
	2		
	0		
	3		

_	1	
7	1	
G		
	+	
	ő	
	2	
	1	
- 1	1	









-		
~		
•		
4		
	+	
	o.	
	2	





1		
1		
_		
-		
4		
- 1		

- 1		
- 1		
- 1		
- 1		
- 1		
- 1		
- 1		
- 1		
-		
12		
•		
-1		
41		
-,		
- 1		



- 1	
- 1	
•	
2	
12	
-	
- 1	

-	
~	
*	
11	
23	
-	
-	
9	

•

PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
RATI	
IPEF	
TEN	
AIR	
OF	
NCY	
OUE	
FRE	
GE	
NTA	
RCE	
PE	

BARBERS PUINT, HAWAII

22514 STATION

JANUARY 1973_DECEMBER 1977

ALL

MAY	момти
1973-DECEMBER 1977	YEARS
JANUARY 1	

% OF TOTAL									15.9	25.9	37.1	20.5	0.1																										0.00
TOTAL FREG.	-								197	321	000	067	12																										1260 100.0
CALM																																							
WNW &										1.6	.2	4.																											4
wsw w									4.1	2.8	• 5	4.																											
35 W 8 SW									4.1	2.8	2.																												
55E & 5									5.6	10.3	2.4	7.5																											4 3
£5£									18.3	12.1	2.0	1.2									-																		1.0
ENE ENE	+								55.00	58.3	71.1	4.40	0.00																										46.7
NNE & NE									1 1	- 1	22.8	- 1																											6.61
WWW W &	+									9.	1.1																												. A.
TEMP.	122+	17 10 121	112 TO 116	111 07 701	102 TO 106	97 TO 101	95 10 96	16 01 78	82 TO 86	77 TO 81	72 10 76	17 07 79	62 TO 66	57 TO 61	52 TO 56	15 01 7	42 TO 46	37 TO 41	32 TO 36	27 TO 31	22 70 26	17 10 21	12 TO 16	7 70 11	2 10 6	-3 10 1	-8 10-4	-13 TO -9	-18 10-14	-23 70-19	-28 10-24	-33 10-29	-38 10-34	-43 10-39	-48 10 -44	-53 TO-49	-58 TO -54	-99 & LWR	2014101

NAVWEASERVCOM

3

Щ	
5	
A	
2	
Ē	
Ē	
~	
¥	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
0	
ΰ	,
EN	
2	
ZE.	
ū	
SE	
Ž	
z	
CE	
ER	
0	

JANUARY 1973-DECEMBER 1977

ANUARY 1973-DECEMBER 1977 JUL	YEARS	
7		
BARBERS POINT, HAWAII	STATION NAME	

TEMP.	MNN	NNE	ENE	ESE	SSE	ssw	wsw	WNW	CALM	TOTAL	% OF
	z «	N. N.	8 E	& SE	8.5	& SW	× ×	& NW		FREO.	TOTAL
122+											
121 01 711											
112 TO 116											
111 01 701											
102 TO 106											
101 01 76											
95 10 96											
16 01 78		27.3	72.7							11	6.
82 TO 86	.3			7	11.7	3.1	1.4			162	24.3
77 TO 81	. 7		6.09		6.2	1.6	.3	.3		307	25.6
72 10 76	.2			-	6.		4.				
17 07 79		47.7								132	
62 TO 66			100.0							2	2.
19 01 75											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 10 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 10 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 10-34											
-43 TO -39											
-48 TO-44											
-53 TO -49											
-58 TO-54											
-59 & LWR											
TOTALS	. 3	24.8	61.3	6.7	Ø .	1.2	9.	.1	1.		1200 100.0

TEMPERATURE	
AF	
OF	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	7/
PERCEN	

BARBERS POINT, HAWAII

22514 STATION

JANUARY 1973-DECEMBER 1977

ALL

700

33.1 4.0 1240 100.0 % OF TOTAL 356 TOTAL FREQ. NN N % % % % 7. SSW SSW WIND DIRECTION 2.40 .. SSE & S 0000 4 . 1 ESE & SE 71.6 4.17 ENE ENE 21.6 6.12 N N N ≥ z -59 & LWR -58 TO-54 -38 TO-34 102 TO 106 92 10 96 -13 70 -9 -18 TO-14 -23 TO-19 -28 10-24 -33 10-29 -43 TO-39 -48 TO-44 -53 TO -49 112 TO 116 32 TO 36 27 TO 31 -3 TO 1 101 01 76 57 TO 61 52 TO 56 42 TO 46 37 TO 41 17 10 21 17 10 121 111 07 701 87 TO 91 82 TO 86 18 01 77 72 10 76 17 07 79 62 TO 66 47 10 51 22 TO 26 12 TO 16 -8 TO-4 7 10 11 2 70 6 122+

NAVWEASERVCOM

P. D

RE	
1	
ERA	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
AIR	
OF	
CY	
JEN	>
REQ	
EF	
TAG	
CEN	
ER	
u.	

BARBERS POTINT, HAMAII

22514 STATION

JANUARY 1973-DECEMBER 1977

AUGUST

WIND DIRECTION

CALM WN W

W SW W

SSW & SW

SSE & S

ESE & SE

S S

Z Z %

NNN

117 TO 121

122+

112 70 116

101 01 76

92 10 96

HOURS (L.S.T.) ALL

TOTAL FREG.

4 4			
04		T	 _
	TAL	11	1

 14.7	0.30.

-	. Q3	FR	604

30.9	31.5	26.5	4.0
3	0	0	0

200

10.2

70.07

17.0 13.6 32.1 30.0

82 10 86

16 01 78

72 10 76

17 07 79

77 10 81

A. A	COCO	60

d	-0	.3	a	3	0	0	L	5

BEO	6045	
	and the second	

1	-	.03	FR	6

7.1

62 TO 66

57 TO 61

42 TO 46

47 TO SI

52 TO 56

32 TO 36

27 TO 31

37 TO 41

22 TO 26

17 10 21

12 TO 16

-18 70-14

-13 10 -9

-8 10-4

-3 70 1

-28 10-24

-38 10-34 -33 TO -29

1240 100.0

9.

1.5

3.6

5.1

68.6

22.3

1.0

-58 10-54

-48 TO-44

-53 10-49

-43 TO -39

NAVWEASERVCOM

JRE	
RAT	
EMPE	
AIR T	
OF	
JENC)	V
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
AGE	
CENT	
PER	

BARBERS POINT, HAWAIT

22514 STATION

0

0

0

0

0

JANUARY 1973-DECEMBER 1977 SEPTEMBER

ALL

					-						
TEMP.	\$ Z &	S NE	6 ENE	£SE & SE	\$5E	SSW & SW	× × × ×	> × × ×	CALM	FREG.	107AL
122+											
117 TO 121											
112 10 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 96											
87 10 91	1.6	15.4	52.0	17.9	12.2					123	10.
82 TO 86	1.1	17.2	37.0	14.1	16.9	6.8	4.5	2.3		354	29
77 TO 81	. 5	35.5	29.8		1.3	1.3		1.3		381	31
72 TO 76		43.9	55.5						.3	301	25
17 07 78		34.1	6.59							41	3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 70 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16					1						
7 10 11											
2 70 6											
-3 10 1											
-8 10-4											
-13 TO -9											
-18 10-14											
-23 TO-19											
-28 10-24											
-33 TO-29											
-38 10-34											
-43 TO-39											
~48 10-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS		30.0	31.4	0.4	0	2.5	1.3	1.1	1.	1500 100.	100
-	-	-	-	The Person Name and Person		-					

*

ш	
~	
щ	
-	
_	
-	
-	
Q.	
~	
ш,	
111	
-	
n	
=	
2	
ш	
_	
-	
œ	
_	
=	
⋖	
ш,	
-	
J	
>	
:.	
Ü	
ပ်	v
Š	2
SINC	2
ENC	2
JENC	2
DENC	27
DENC	27
OUENC	27
EQUENC	27
SEGUENC	27
REQUENC	N
FREQUENCY	37
FREQUENCY	27
FREQUENC	٨٨
E FREQUENCY	٨٨
E FREQUENCY OF AIR TEMPERATURE	74
GE FREQUENCY	7
GE FREQUENCY	77
AGE FREQUENCY	3/
TAGE FREQUENCY	3/
TAGE FREQUENCY	N
NTAGE FREQUENCY	N
NTAGE FREQUENCY	N
ENTAGE FREQUENCY	No.
ENTAGE FREQUENCY	No.
CENTAGE FREQUENCY	3/
SCENTAGE FREQUENCY	No.
RCENTAGE FREQUENCY	3/
ERCENTAGE FREQUENCY	3/
ERCENTAGE FREQUENCY	2/
PERCENTAGE FREQUENCY	NY NY
PERCENTAGE FREQUENCY	NY NY

BARBERS POINT, HAWAII

22514 STATION

JANUARY 1973-DECEMBER 1977

OCTUBER MONTH

ALL

WIND DIRECTION

N N N N N N N N N N N N N N N N N N N		& E	6. SE	SSE & S	8 5W	W5W W	WNW W	CALM	TOTAL FREG.	% OF TOTAL
	-									
	+									
1.61	-	55.0	5.0	201	5.6	4.4	2.5		68	
9.2	. 2	53.8	-		9.9	3.0			305	24.6
28.0	0				1.1					
50.7	wr	54.0	.2				c.	• 2	19	35.1
									7	
	1									
	1									
	1									
	1									
	1									
	1									
	1									
							-			
6	. 00	9 73	6 7	7						
7		2000			1 . 3	*				1640 1000

Q

0

7

3

NAVWEASERVCOM

*

WIND DIRECTION

BARBERS POINT, HAWALL

22514

JANUARY 1973-DECEMBER 1977

NOVEMBER

MONTH		
2447		

	-	2
		2
	-	2
		2
	 	200
	 	2
	 	2
		NO.
	100	NO.

					WIND DIRECTION	CTION					
TEMP.	NNN N	NNE NE NE	e e	65E & SE	SSE & S	\$5W & \$W	wsw w %	WN 8	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 TO 121											
112 70 116											
107 70111											
102 TO 106											
101 07 76											
92 10 96											
16 01 78											
82 TO 86	9.				17.8	4.3	4.3	•		163	13.6
77 TO 81	.3			12.4	17.3	7.8	4.5	2.3		306	
72 TO 76	2.7	35.0	54.9	2.7	3.1	3.1	6.			450	
17 07 79	3.2			4.	4.			4.		247	20.6
62 TO 66		9.09								33	2.8
19 01 75		100.0								1	.1
52 TO 56											
12 01 74											
42 10 46											
37 10 41											
32 TO 36											
27 TO 31											
22 10 26											
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 TO -9											
-18 10-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 10-34											
-43 TO-39											
-48 70-44											
-53 TO -49											
-58 TO-54					-						
-59 & LWR											
TOTALS	1.0	7.00	7.04	0.0	1.0	0.0	6.3	1.0		1400	1500 100.0

0

WIND DIRECTION

BARBERS POINT, HAWAII

22514 STATION

3 Z

17 10 121

122+

101 01 76

102 10 106

95 10 96

87 10 91 82 10 86 18 01 77

WIND DIRECTION

JANUARY 1973-DECEMBER 1977

DECEMBER

ALL

24.3 % OF TOTAL 132 307 107 107 107 FREG. 0 3.38 WN W 80.00 wsw w & 8.8 \$ 5W 16.7 SSE & S 115.2 ESE SE ENE S 29.5 NN W 4:70

57 TO 61

52 TO 56 47 TO 51 42 TO 46

72 70 76

17 07 79

62 TO 66

NAVWEASERVCOM

•

1238 100.0

7.

2.3

2.3

5.0

8.5

3.4

47.3

28.2

3.3

TOTALS

-18 70-14

-13 10 -9

-3 10 1 -8 10-4

17 10 21

12 70 16

22 70 26

27 TO 31

32 TO 36

37 10 41

-23 10-19

-28 10-24 -33 10-29 -38 10-34

-43 10-39

-48 10-44 -53 10-49 -58 TO -54

WIND DIRECTION

BARBERS POINT, HAWAII

22514 STATION

JANUARY 1973-DECEMBER 1977

ALL

HOURS (L.S.T.) ALL

WIND DIRECTION

CALM

% OF TOTAL

TOTAL FREQ.

× × × × × ×

% % % %

SSW & SW

SSE & S

ESE 8 SE

ENE ENE

NNE NE NE

≥ Z Z S

TEMP. 122+ 117 TO 121

112 TO 116 111 07 701 102 TO 106 101 01 76

332 2446 3928 4596 2651 0 2 4 5

28.10.2

2000

11.5

14.1

1.3

77 TO 81 72 TO 76 17 07 79 62 TO 66 57 TO 61 52 TO 56

82 TO 86

58.3

17.5

594

18.2 2.3 16.8 26.9

22 TO 26

37 TO 41

42 TO 46

47 TO 51

-28 10-24

-33 TO-29

-18 TO-14

-23 TO-19

-13 TO -9

-8 10-4

-3 TO 1

-38 TO-34

-43 10-39

-48 TO -44 -53 TO-49

14601 100.0

2.

1:2

2.0

5.0

5.8

3.3

55.6

8.55

1.2

-58 TO -54 -59 & LWR NAVWEASERVCOM

PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- .. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.

	20(IM. NG.) 21 22 23 24 25 26 27 28 29 30 31(M.MG)	(M8) 700 750 800 1050 850 1050 950 1050 (M8) 1000 1000 1000 1050 (M8)	uliminiminiminiminiminiminiminiminiminimi	
	∃E.≣	20	E_	
	# F "	23	FT	
	1 E	1	E	
	4 E	1	E	
	=======================================	3	E_	
-	#	. 1	F	_
F .	3 F	8-	E	F T.)
L.	3E_	4	Ė	-
	======================================	4	E_	
- S	3 E	4	E	S
•	# L	, 4	E	0
0	Eea	8-4	E	0
0 ~-	∃E "=	ຶ 🗐	F~	0
(1000'S FT)	27 28 28 E S S 11 R E	, 를	Ė	=
	d = "	,]	F	
	}	, <u>a</u>	E	ш
ш к -	₹ •	Eg ²	E.	٥
	3 E 0	6 4	E	>
_	E.	3	E	-
	# ~	3	-	-
ALTITUDE S 4 3	25 26 26 26 26 26 26 26 26 26 26 26 26 26	,]	E	ALTITUDE (1000'S
`	1		E	_
4 v-	∄ ├ ≈ "	85	Es	4
	1 : I		E	
	₹ ;	1	È	
	# _ a	5	E	
ш ° -	F~,	. 1	F	ш
œ .	BE 2	6	E	œ
S C E	24 25 20 A E T B U C A B	, 4	E	SURE
0	= = = = = = = = = = = = = = = = = = =	4	E-	S
S.	1 E	4	E	S
ω ω ∞-	3	4	E	PRES
œ	=======================================	8-4	F -∞	œ
•	1F~	1	E	٥
	1	4	E	
o -	1	4	Fo	
	E≂	4	Ė	
	1 2	2	E _	
= -	IF E	~ 1	E	
	20 (IN. HG.) 21 22	_]	8 6 01 1	
= -	E~	88	E_	
			_	

STATION PRESSURE IN INCHES HG FROM HOURLY DESERVATIONS

0

NO

0

0

0

0

41677	1				-	Name and Address of the Owner, where	-	The same of the sa	Total Street Str	The same of the sa	-	The real Property lies and the least lies and the lies and the least lies and the least lies and the least lies and the least lies and the lies and the least lies an	-	
STATION			18	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	29.90829.98729	19.987	29.9933		9.9972	9.9772	9.9722	9.9542	9.935	45	28.63	29.949	29.96
05	S. D.	680.	.076	80.			40	1	3	.050	.040	0	6200	
	TOTAL OBS	155	141	15		155	150		155	5	2	150	5	182
	MEAN	29.89429.96629	9.966	.97	9.9832	9.9832	6	6.6	9.94	9.918	0	4	29.935	29.94
10	S. D.	.092	470.	680	.052	940.	.041	.038	140	.050	.04	69		0
,	TOTAL OBS	155	141	15	150	155		155	15	-	-	2	15	82
													1	-
	MEAN	29.92730.00230	10.002	.01	0.05	10.0	00.0	0	9.97	9.95	9.964	65	-	23
90	S. D.	260.	.076	080.	.052	.040	.042	038	640	.051	0.0	690.	.080	0.00
	TOTAL OBS	155	141	5	5	-	3	5	10	1	0	2	3	V
	MEAN	29.94230.02030	02000	00	0.0	6000	00.0		9.3762	0	9.972	29.956	29.979	3
11	S. D.	680	\$70.	0.87	.051	.045	045	037	940	.050	.045	.065	0	
:	TOTAL OBS	155		1.5	-	3	3	5	155		15	150	5	N
	MEAN	29.86929.95529	19.955	96.	9.98	86.6	96.6	9.95	9.93	106.6		0	0	29.937
14	S. D.	.086	.071	180.	0	*043	3	0	. 047	3			.076	
	TOTAL OBS	155	141	2	5	5	3	-	5	-	-	5	-0	82
	MEAN	99.87239.96	0.941	0	0	9.04	0		0.0	9.89	606.6	0.0	-	6
17	S. D.	2 8 0	072	087	080	0.0	040	100	140	640	.045	490	0	0
	TOTAL OBS	155	141	155	150	13	150	15	15	150	13	15	15	C
	MEAN	29.91629.98729	186.6	166.	30.0073	00.0	6.6	-	6.6	9.93	9.957	29.940		0
20	S. D.	080	.071	780.	.051	440.	.040	037	.046	0	940.		110.	
	TOTAL OBS	155	141	15	150	2		2	-	13			13	2
	MEAN	29.9313	30.012	026	0	0.03	0.01	0.00	96.6	9.964	1	50	29.974	0
23	S. D.	780.	.072	0	5	990.	.042		0	*	440.			0
	TOTAL OBS	155 141	141	2	150	15	13	13	15	150		150		N
-	MEAN	29,90729.98429	486.6	29.9943	0	6	9.68	9.9732	9.9542	66.6	9.946	29.929		0
HOLIPS	S. D.	260.	.078	.091	.057	.050	040	.042	.052	.055	.05	071	•	
2000	TOTAL OBS	1240	1128		1200	1240	-	1240	1240	0	1240			C

PRINTED BY THE STANDAND REGISTER COMPANY, U. S. A.

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22514	30	BARBERS P	POINT, H	HAWA!!			73-77	11						
STATION	1		1412	ATION NAME						TLASS			1	
HRS.(LS.T.)	1	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	100	NOV.	DEC.	ANNUAL
05	S. D. TOTAL OBS	2,991	41017-1 1 2-567 5 141	2.0	017.5	1017.41	1016.81 1.410 150	1016.61	1.591	1015.3 1.710 150	1015.71	2.294	1015.8 2.649 155	1016.3 2.321 1826
90	MEAN S. D. TOTAL OBS	1013-91016-410 3-096 2-596 3 155 141	1016.4	3.010	1.779 1	1.566	1.414	1016.21	1.592	1014.8	1015.21	2.296	2.663	1015.7 2.331 1826
80	MEAN S. D. TOTAL OBS	1015-11017-610 3-108 2-554 3-159 141	2.554	3.007	1.760	1.549	1.418	1017.31	1.662	101	.579 .579 155	1015.8 2.318 150	1016.5 2.693 155	1016.9
=	S. D. TOTAL OBS	3.004	1015.61018.21 3.004 2.480 155 141	2.935	1.723	1018.21 1.511 155	1.003	1017.21	1.653	1016.110 1.695 1	. 533 155	2.211	1016.8 2.690 155	1017.2 2.309 1626
2	MEAN S. D. TOTAL OBS	1013.11016.010 2.891 2.383 2 155 141	1016.0 2.383 141	1016.51 2.917 155	1.671	11.460	1016.51	1016.11	1.593	1,632	1.512	2.20Z 150	2,546	1015.4 2.390 1826
1.7	S. D. TOTAL OBS	1013.21615.510 2.845 2.405 2 155 141	1015.5 2.405 141	9.81	1.693 1	1016.21	1.340	1015.41	1.585	1.638	1.513	2.149	1014.5 2.534 155	2.238
50	MEAN 5. D. TOTAL 085	2.908 2.397 2 155 141	1017.1 2.397 141	2.937	1.696	1017.61	1.371	1016.51	016.0	1015.4	1.507	2.222	1016.1 2.571 155	2.244
23	S. D. TOTAL OBS	1015.21 2.941 155	1015.21018.01 2.941 2.405 155 141	1018.41 2.916 155	1.686	1.499	1017.91	1017.61	1.578	1016.310	15	1016.0 2.335 150	1016.6 2.636 155	1017.3 2.328 1826
ALL HOURS	S. D. TOTAL OBS	3.089	3.089 2.620 1240 1128	3.065	1.908	1.678	1.552	1016.61	1.757	1015.3	1.736	2.403	2.759	2.445

0

0

0